

**EOG Resources, Inc.**  
**P.O. 1910**  
**Vernal, UT 84078**

January 22, 2005

Utah Division of Oil, Gas, & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL  
NATURAL BUTTES UNIT 451-1E  
NE/SW, SEC. 1, T10S, R22E  
UINTAH COUNTY, UTAH  
LEASE NO.: U-010953  
FEDERAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420

Sincerely,

  
Ed Trotter  
Agent  
EOG Resources, Inc.

RECEIVED  
FEB 04 2005  
DIV. OF OIL, GAS & MINING

Attachments

001

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

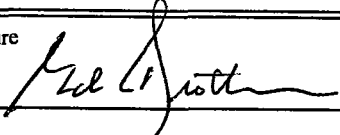
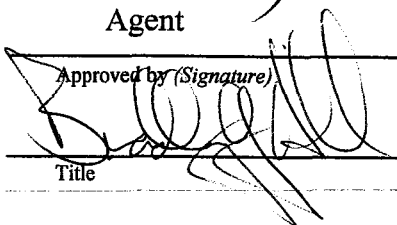
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>U-010953</b>
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator <b>EOG RESOURCES, INC.</b>		7. If Unit or CA Agreement, Name and No. <b>NATURAL BUTTES UNIT</b>
3a. Address <b>P.O. BOX 1815 VERNAL, UT 84078</b>	3b. Phone No. (Include area code) <b>(435)789-0790</b>	8. Lease Name and Well No. <b>NATURAL BUTTES UNIT 451-1E</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>1965' FSL, 2132' FWL</b> <i>637525X</i> <i>39.976127</i> At proposed prod. Zone <i>4426140Y</i> <i>NE/SW</i> <i>-109.389520</i>		9. API Well No. <b>43-047-36279</b>
14. Distance in miles and direction from nearest town or post office* <b>24.05 MILES SOUTHEAST OF OURAY, UTAH</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
15. Distance from proposed* location to nearest property or lease line, ft. <b>1965'</b> (Also to nearest drig. Unit line, if any)	16. No. of Acres in lease <b>160</b>	11. Sec., T., R., M., or Blk. and Survey or Area <b>SEC. 1, T10S, R22E, S.L.B.&amp;M.</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See Topo Map C	19. Proposed Depth <b>7010'</b>	12. County or Parish <b>UINTAH</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5091.6 FEET GRADED GROUND</b>	22. Approximate date work will start* <b>UPON APPROVAL</b>	13. State <b>UTAH</b>
24. Attachments		17. Spacing Unit dedicated to this well <b>'</b>
20. BLM/BIA Bond No. on file <b>NM-2308</b>		23. Estimated duration <b>45 DAYS</b>

Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) <b>Ed Trotter</b>	Date <b>January 22, 2005</b>
Title <b>Agent</b>	<b>RECEIVED</b> <b>FEB 04 2005</b>	
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b> <b>ENVIRONMENTAL SCIENTIST III</b>	Office <b>DIV. OF OIL, GAS &amp; MINING</b> <b>02-07-05</b>
Title		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of Approval, if any, are attached.

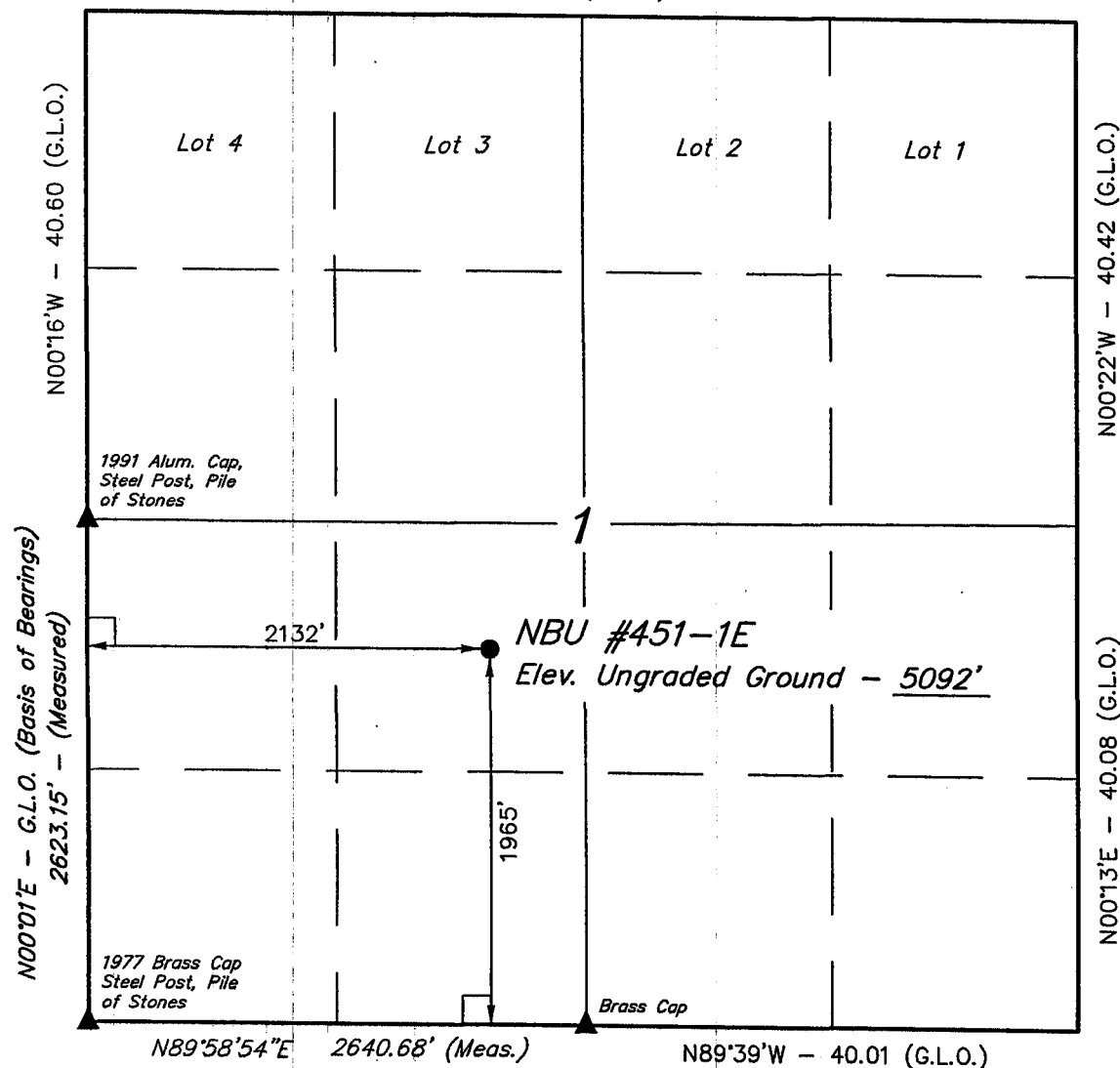
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

**Federal Approval of this  
Action is Necessary**

# T10S, R22E, S.L.B.&M.

WEST (G.L.O.)

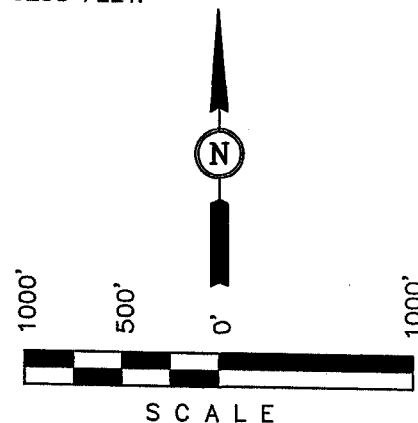


## EOG RESOURCES, INC.

Well location, NBU #451-1E, located as shown in the NE 1/4 SW 1/4 of Section 1, T10S, R22E, S.L.B.&M. Uintah County, Utah.

### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No. 161319

ROBERTS

REGISTERED LAND SURVEYOR

REGISTRATION NO. 161319

STATE OF UTAH

REVISED: 10-22-04 C.G.

UNTAE ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 11-21-97	DATE DRAWN: 11-25-97
PARTY B.B. D.R. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE EOG RESOURCES, INC.	

## EIGHT POINT PLAN

### NATURAL BUTTES UNIT 451-01E NE/SW, SEC. 01, T10S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH

#### 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	DEPTH (KB)
Green River	1,943'
Wasatch	4,174'
Chapita Wells	4,693'
Buck Canyon	5,336'
North Horn	6,191'
Island	6,590'
KMV Price River	6,671'

EST. TD: 7010'

Anticipated BHP 3000 PSI

#### 3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

#### 4. CASING PROGRAM:

HOLE SIZE	INTERVAL	LENGTH	SIZE	WEIGHT	GRADE	THREAD	RATING FACTOR		
							COLLAPSE	BURST	TENSILE
12 1/4"	0' - 500' +/-KB	500' +/-	9 5/8"	36.0#	J-55	STC	2020 PSI	3520 PSI	394,000#
7 7/8"	±500' - TD +/-KB	7010' +/-	4 1/2"	11.6 #	J-55	LTC	4960 PSI	5350 PSI	162,000#

All casing will be new or inspected.

#### 5. Float Equipment:

##### Surface Hole Procedure (0-±500' Below GL):

Guide Shoe

Insert Baffle

Wooden wiper plug

Centralizers: 1 - 5-10' above shoe, every collar for next 3 joints (4 total).

##### Production Hole Procedure (±500'-TD):

Texas-Pattern shoe, short casing shoe joint (± 20'), Float Collar, and balance of casing to surface. Run short casing joint (< 38') at ± 3,100' (1,000' above projected top of Wasatch). Centralize 5' above shoe on joint #1, top of joint #2, then every 4th joint to ± 3,700' (400' above Wasatch top - 15 total). Thread lock shoe, top and bottom of FC, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM:

##### Surface Hole Procedure (0-±500' below GL):

250' - 1,700': Water (circulate through reserve pit). Anco-Drill sweeps for hole cleaning, Paper sweeps to seal off loss zones. Add LIME to reserve pit to keep clear.

## EIGHT POINT PLAN

### NATURAL BUTTES UNIT 451-01E NE/SW, SEC. 01, T10S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH

#### MUD PROGRAM (Continued):

#### Production Hole Procedure ( $\pm 500'$ -TD):

1,700' – 4,900': Continue as above as far as possible. Should it become necessary to trip for a bit prior to reaching TD, either slug drill pipe and fill hole with brine or with 9.2 ppg mud (pre-mixed in rig mud tanks) to control gas. Once back on bottom after trip, turn flow back and re-circulate through reserve pit to resume drilling ahead. Stay on as clear of fluid as long as possible. Try to control any fluid losses if drilling on clear fluid with paper LCM. Add LIME and Gyp if needed to control alkalinities.

4,900' – TD: Continue sweeping hole with Anco-Drill for hole cleaning. Again, should it become necessary to trip for a bit prior to reaching TD, either slug drill pipe and fill hole with brine or with 9.2 ppg mud (pre-mixed in rig mud tanks) to control gas. Once back on bottom after trip, turn flow back and re-circulate through reserve pit to resume drilling ahead. Stay on as clear of fluid as long as possible. Increase Anco-Drill sweep frequency as you near TD in preparation to logging and running casing. Be alert at all times while drilling the Wasatch on water for any signs of hole sloughing (i.e. tight connections, fill, etc.). Should sloughing be detected, immediately mud up the hole. If mud-up becomes necessary to log, run casing, for hole sloughing or to control water and gas flows, mix Gel, Anco-Drill and Aqua-Pac if chloride content of mud will allow or SALT GEL and STARCH if chloride content is high. When mudding up, add 6% LCM (mixture of Cedar Fiber, Paper, Cottonseed Hulls and Sawdust) to control losses.

#### 7. VARIANCE REQUESTS:

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- C. EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

#### 8. EVALUATION PROGRAM:

Logs: RST (Reservoir Saturation Tool) Cased logs      TD to Surface

## EIGHT POINT PLAN

### NATURAL BUTTES UNIT 451-01E NE/SW, SEC. 01, T10S, R22E, S.L.B.&M. UINTAH COUNTY, UTAH

#### 9. CEMENT PROGRAM:

##### Surface Hole Procedure (0-±500' Below GL)

**Lead: 200 sks.** (100% excess volume) Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) & 0.25 pps D29 (cellophane flakes), mixed at 15.8 ppg, 1.15. ft<sup>3</sup>/sk., 4.95 gps water.

**Top Out:** Top out with Class 'G' cement with 2% S1 (CaCl<sub>2</sub>) in mix water, 15.8 ppg., 1.15. ft<sup>3</sup>/sk., 4.95 gps via 1" tubing set at 25' if needed.

##### Production Hole Procedure (±500' to TD)

**Lead: 100 sks:** Class 'G' lead cement with 5% D44 (Salt), 12% D20 (Bentonite), 1% D79% (Extender), 0.25% D112 (Fluid Loss Additive), 0.2% D46 (Anti-Foamer) & 0.25 pps D29 (Cellophane flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail: 250 sks:** 50:50 Poz G w/ 2% D20 (Bentonite), 10% D44 (Salt), mixed at 14.1 ppg, 1.35 cu. ft./sk., 5.0 gps water. 50:50 Poz G w/ 2% D20 (Bentonite), 10% D44 (Salt), mixed at 14.1 ppg, 1.35 ft<sup>3</sup>/sk., 5.0 gps water.

#### 10. ABNORMAL CONDITIONS:

##### PRODUCTION HOLE (±500'-TD)

**Potential Problems:** Lost circulation, asphaltic, black oil flows, large Trona water flows and gas flows may be encountered in the Green River, beginning at ± 1,900'. Other wells in the general area of the NBU-451-01E (all drilled with air/mist or aerated water) reported problems with sloughing formation in the Wasatch while attempting to mud up for logs or to run casing.

#### 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 451-01E**  
**NE/SW, SEC. 01, T10S, R22E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**12. HAZARDOUS CHEMICALS:**

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

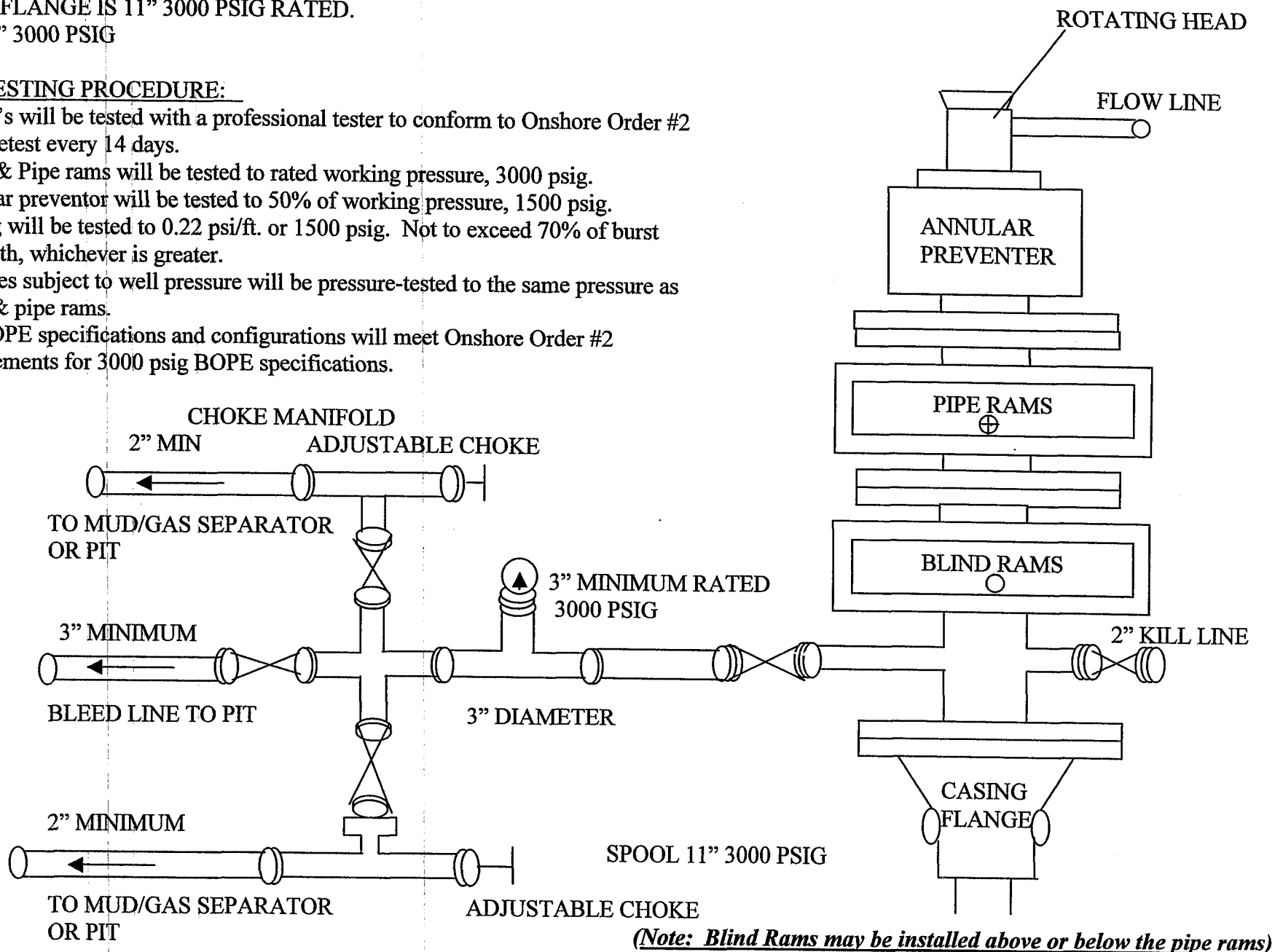
(Attachment: BOP Schematic Diagram)

## 3000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 3000 PSIG RATED.  
CASING FLANGE IS 11" 3000 PSIG RATED.  
BOPE 11" 3000 PSIG

### TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 3000 psig.
3. Annular preventor will be tested to 50% of working pressure, 1500 psig.
4. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure-tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 3000 psig BOPE specifications.





**CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL**

Company/Operator:	<u>EOG Resources, Inc.</u>
Well Name & Number:	<u>Natural Buttes Unit 451-1E</u>
Lease Number:	<u>U-010953</u>
Location:	<u>1965' FSL &amp; 2132' FWL, NE/SW, Sec. 1, T10S, R22E, S.L.B.&amp;M., Uintah County, Utah</u>
Surface Ownership:	<u>Federal</u>

**NOTIFICATION REQUIREMENTS**

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice: - at least twenty-four (24) hours prior to spudding the well.

Casing String and  
Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related  
Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production  
Notice - within five (5) business days after new Well begins or production resumes after Well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## **THIRTEEN POINT SURFACE USE PROGRAM**

### **1. EXISTING ROADS**

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 24.05 miles southeast of Ouray, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### **2. PLANNED ACCESS ROAD**

- A. The access road will be approximately 0.15 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION**

A. Abandoned wells - 2\*

B. Producing wells - 11\*

(\*See attached TOPO map "C" for location)

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

A. **ON WELL PAD**

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, 300 Bbl vertical or 200 Bbl low profile, condensate tank, and attaching piping.
2. Gas gathering lines - A 4" gathering line will be buried from dehy to the edge of the location.

B. **OFF WELL PAD**

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4" OD steel above ground natural gas pipeline will be laid approximately 609' from proposed location to a point in the NW/SE of Section 1, T10S, R22E, where it will tie into Questar Pipeline Co.'s existing line. Proposed pipeline crosses Federal lands within the Natural Buttes Unit, thus a Right-of-Way grant will not be required.
3. Proposed pipeline will be a 4" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery.

The production facilities will be placed on the Northeast side of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities

required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Carlsbad Canyon.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

**5. LOCATION & TYPE OF WATER SUPPLY**

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/or Target Trucking Inc.'s water source in the SW/SW, Sec. 35, T9S, R22E, Uintah County, Utah (State Water Right #49-1501). Produced water from the Chapita Wells and Stagecoach Units will also be used.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

**6. SOURCE OF CONSTRUCTION MATERIAL**

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. All construction material will come from Federal Land.
- C. No mineral materials will be required.

**7. METHODS OF HANDLING WASTE DISPOSAL**

**A. METHODS AND LOCATION**

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

**On BLM administered land:**

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

**The reserve pit shall be lined with a plastic liner. A felt liner will also be installed if rock is encountered during pit construction.**

8. **ANCILLARY FACILITIES**

- A. No airstrips or camps are planned for this well.

9. **WELLSITE LAYOUT**

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.
- D. The approved seed mixture for this location is:
  - Shad Scale – 3 pounds per acre
  - Indian Rice Grass – 3 pounds per acre
  - Hi-Crest Crested Wheatgrass – 1 pound per acrepounds per acre.

The reserve pit will be located on the West side of the location. The flare pit will be located downwind of the prevailing wind direction on the West side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled pit topsoil will be stored separate from the location topsoil West of Corners A, B, & #4. The stockpiled location topsoil will be stored from Corner #2 to Corner #8. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture for this location and then walked down with a Caterpillar tractor.

Access to the well pad will be from the Southwest.

Corners #2 & #6 will be rounded off to minimize excavation.

### **FENCING REQUIREMENTS:**

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16-foot gate shall be installed in any fence where a road is to be regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently mounted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

## **10. PLANS FOR RESTORATION OF SURFACE**

### **A. PRODUCING LOCATION**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

#### **B. DRY HOLE/ABANDONED LOCATION**

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriate surface rehabilitation conditions of approval.

#### **11. SURFACE OWNERSHIP**

Access road: Federal

Location: Federal

#### **12. OTHER INFORMATION**

A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used.
- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification

from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

**Additional Surface Stipulations**

None

**LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION**

**PERMITTING AGENT**

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Telephone: (435)789-4120  
Fax: (435)789-1420

**DRILLING OPERATIONS**

Donald Presenkowski  
EOG Resources, Inc.  
P.O. Box 250  
Big Piney, WY 83113  
Telephone: (307)276-4865

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. EOG Resources, Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.



**Certification**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Please be advised that EOG Resources, Inc. is considered to be the operator of the **Natural Buttes Unit 451-1E Well, located in the NE/SW of Section 1, T10S, R22E, Uintah County, Utah; Lease #U-010953;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #NM 2308.

1-22-2005  
Date

Ed L. Smith  
Agent

# EOG RESOURCES, INC.

NBU #451-1E

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 1, T10S, R22E, S.L.B.&M.

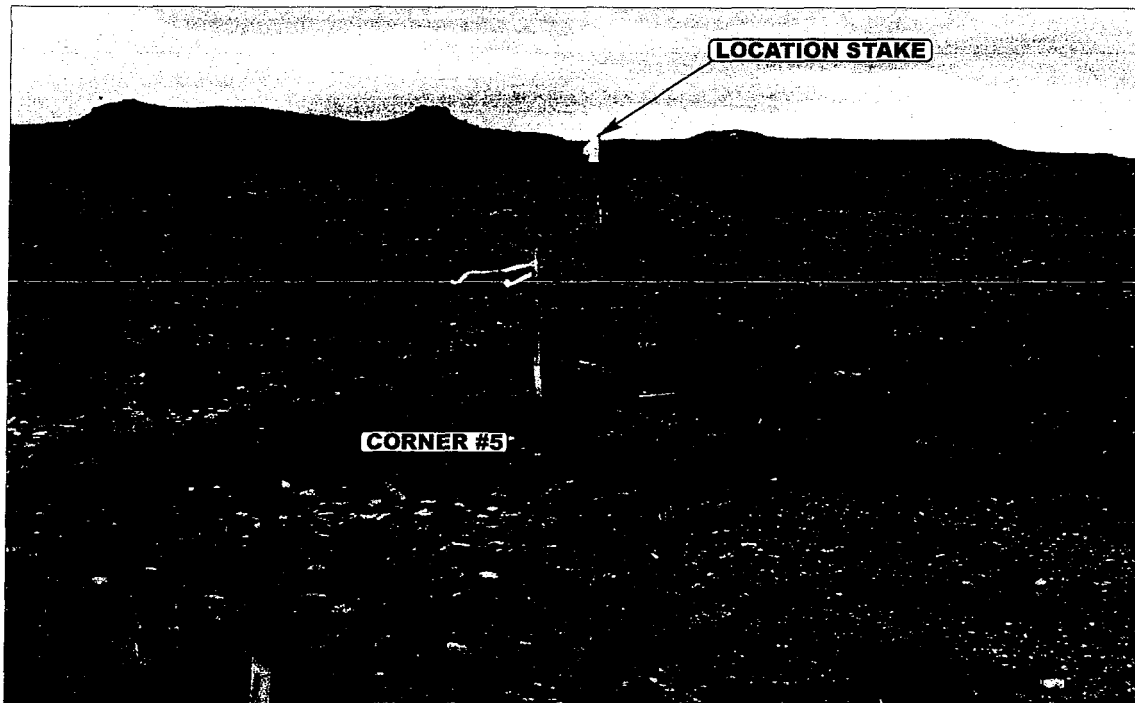


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

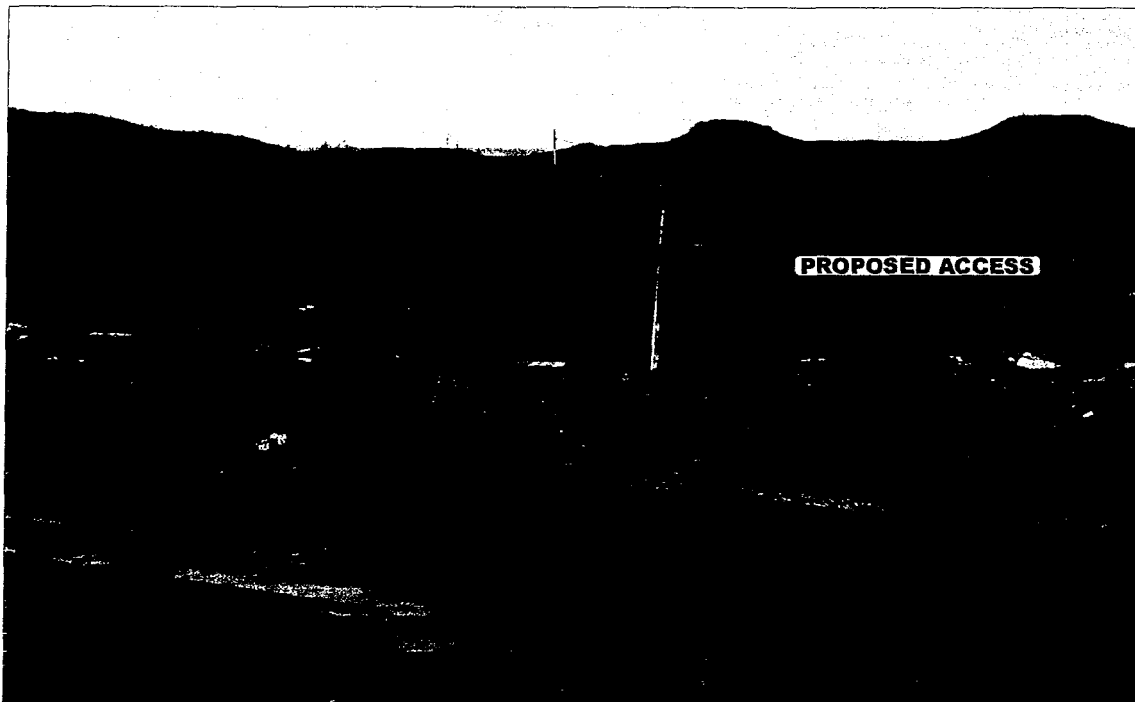


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

10 | 22 | 04  
MONTH | DAY | YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: C.P.

REVISED: 00-00-00



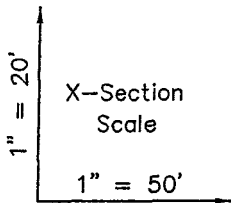
# EOG RESOURCES, INC.

## TYPICAL CROSS SECTIONS FOR

NBU #451-1E

SECTION 1, T10S, R22E, S.L.B.&M.

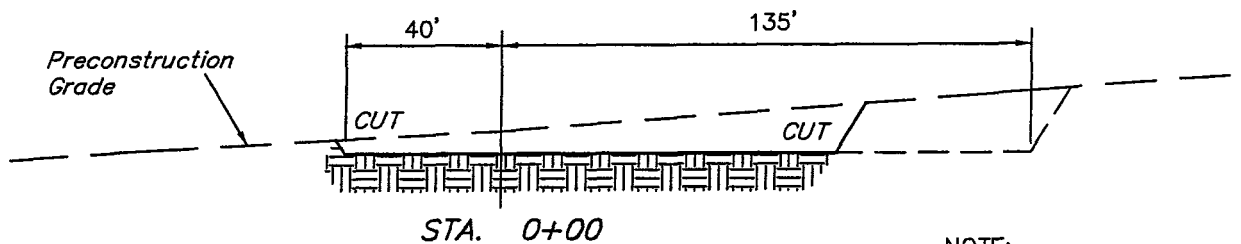
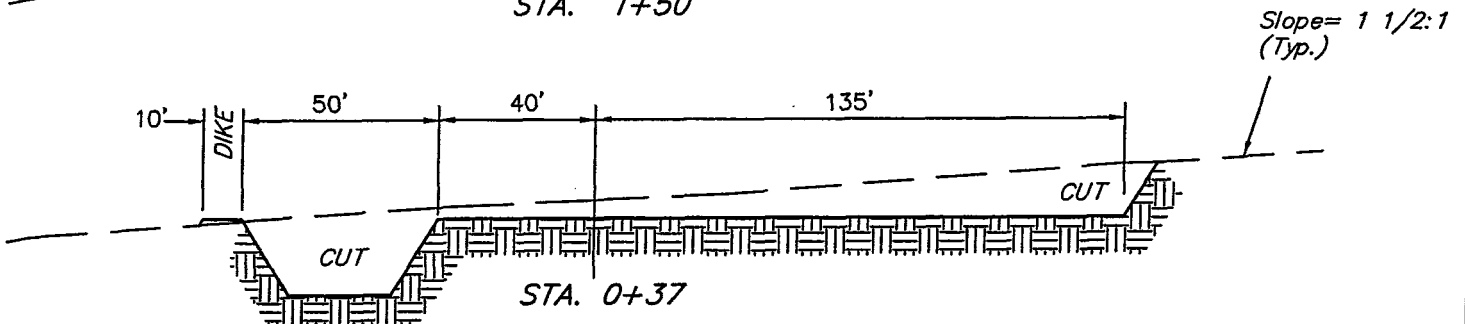
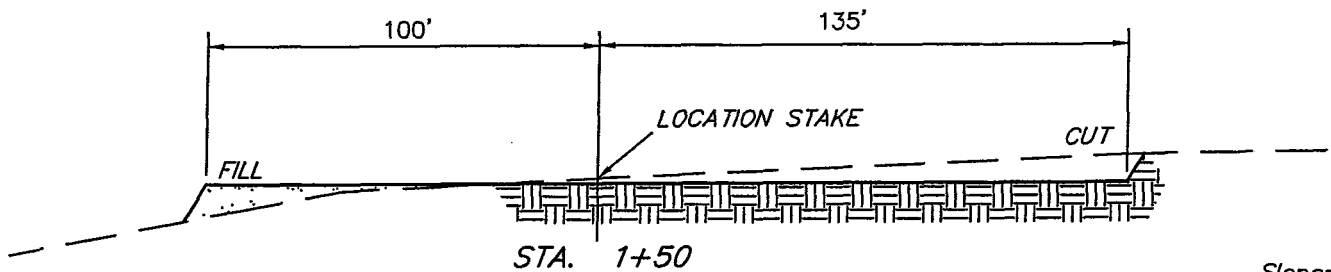
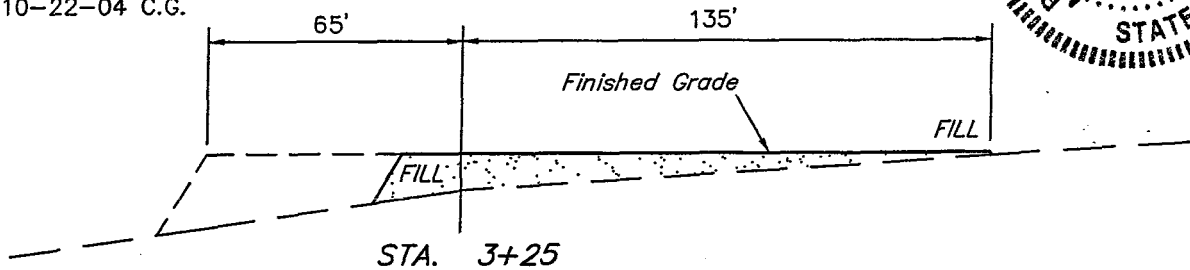
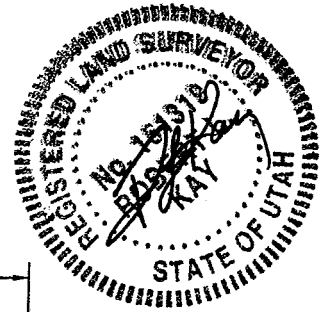
1965' FSL 2132' FWL



DATE: 11-26-97

Drawn By: D.COX

Revised: 10-22-04 C.G.



### NOTE:

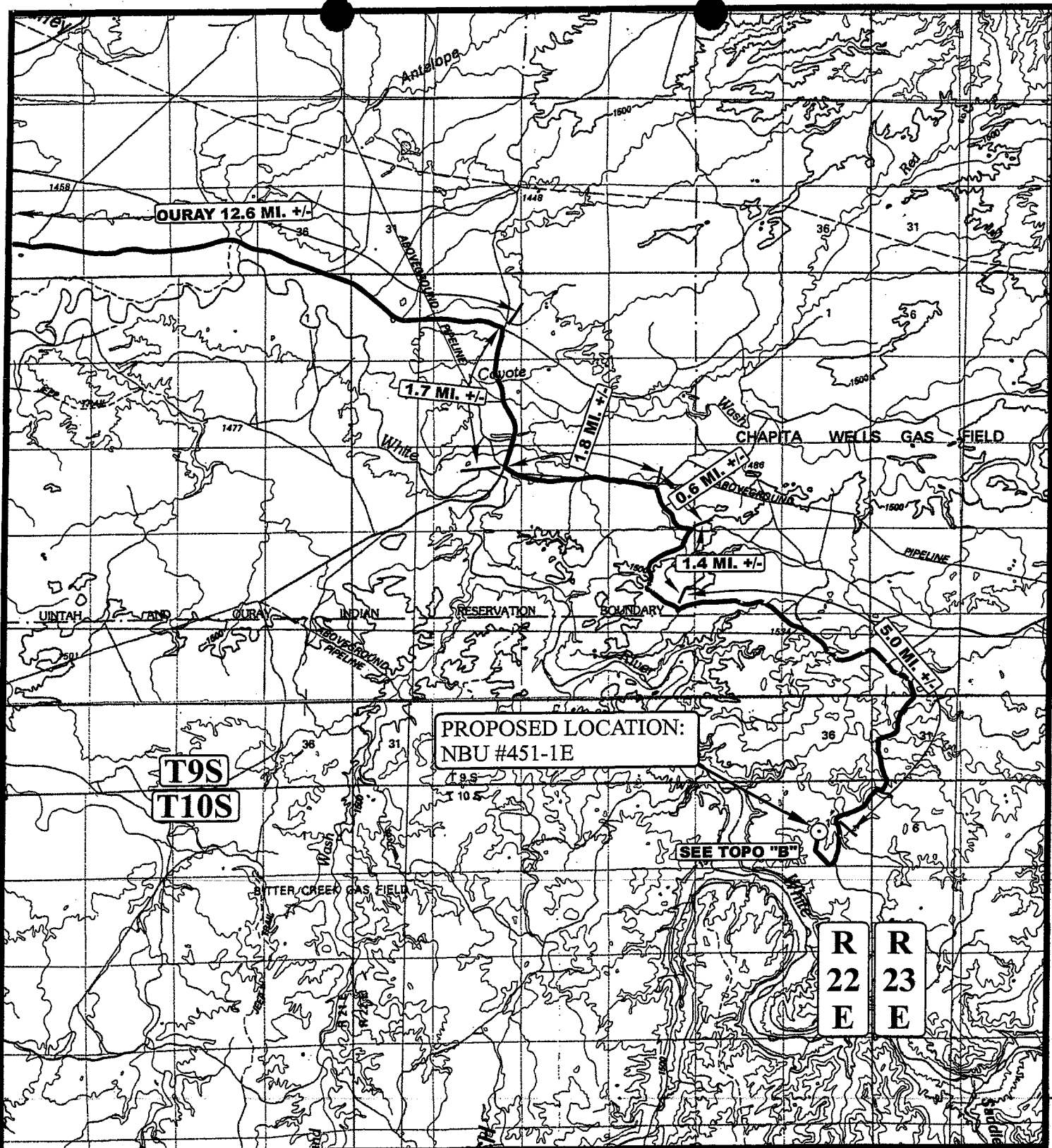
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 1,250 Cu. Yds.
Remaining Location	= 3,490 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 4,740 CU.YDS.</b>
<b>FILL</b>	<b>= 2,700 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,900 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,900 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017



# **LEGEND:**

⊙ PROPOSED LOCATION



**EOG RESOURCES, INC.**

NBU #451-1E

SECTION 1, T10S, R22E, S.L.B.&M.

1965' FSL 2132' FWL



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

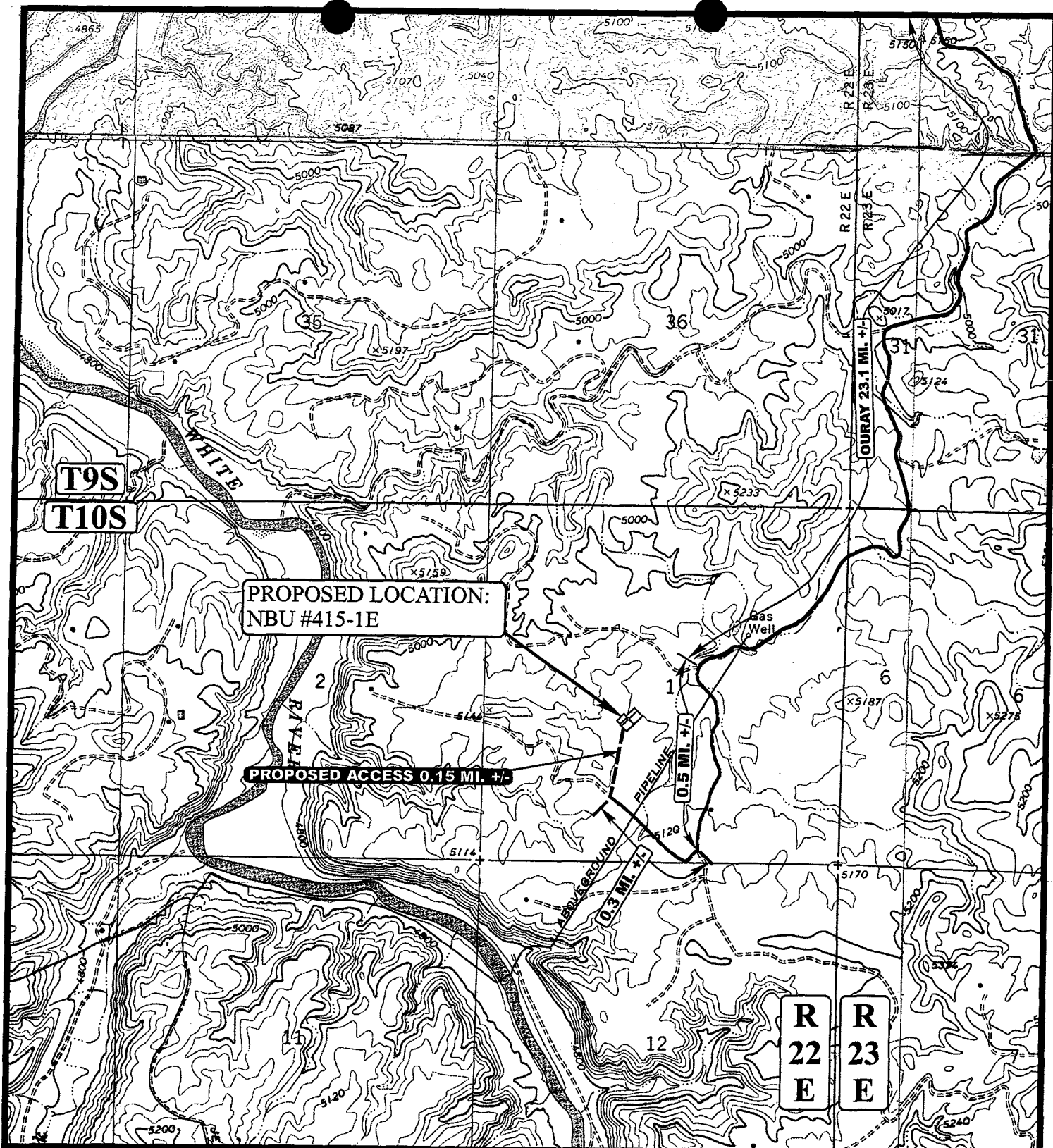
**11 24 97**  
MONTH DAY YEAR

SCALE: 1 : 100,000

DRAWN BY: C.G.

REVISED: 10-22-04 C.P.





# **LEGEND:**

————— EXISTING ROAD  
- - - - - PROPOSED ACCESS ROAD



**EOG RESOURCES, INC.**

**NBU #415-1E**  
**SECTION 1, T10S, R22E, S.L.B.&M.**  
**1965' FSL 2132' FWL**

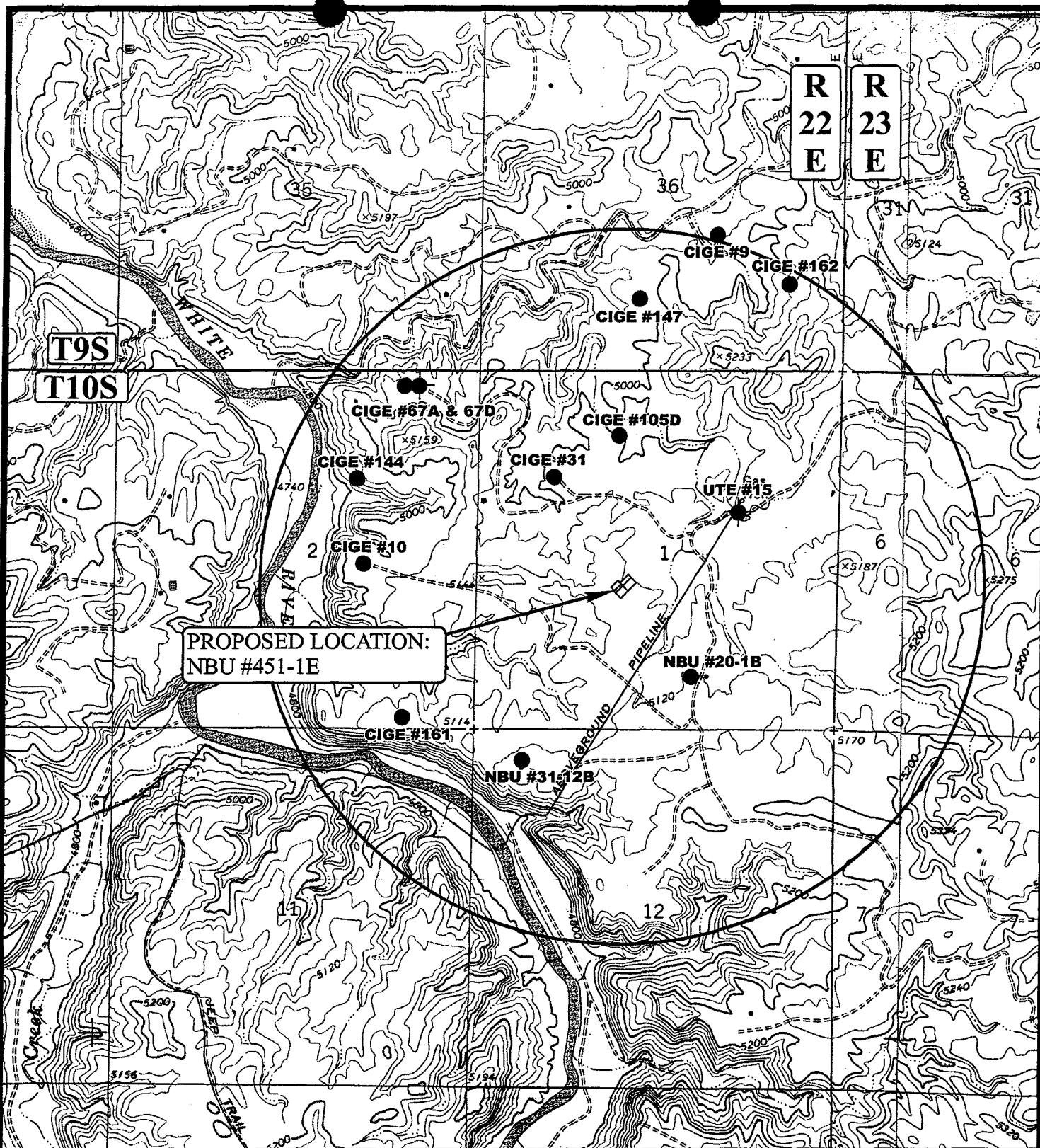


**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 11 24 97  
**MAP** MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 10-22-04 C.P.

**B**  
**TOPO**



# LEGEND:

- |                   |                         |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS  | ○ WATER WELLS           |
| ● PRODUCING WELLS | ● ABANDONED WELLS       |
| ● SHUT IN WELLS   | ● TEMPORARILY ABANDONED |



# EOG RESOURCES, INC.

NBU #451-1E  
SECTION 1, T10S, R22E, S.L.B.&M.  
1965' FSL 2132' FWL



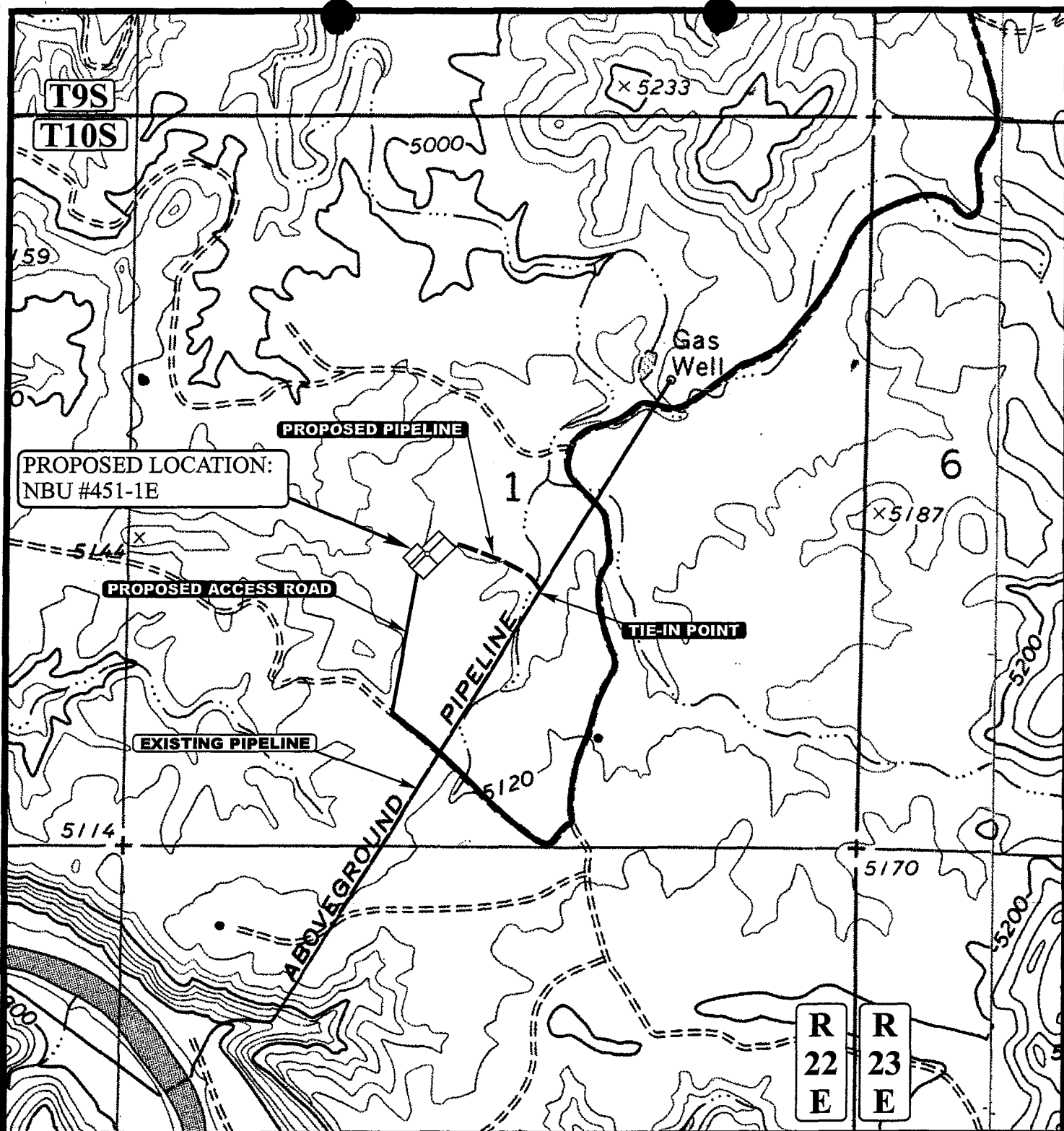
Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC MAP

11 24 97  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 10-22-04 C.P.





APPROXIMATE TOTAL PIPELINE DISTANCE = 609' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



**EOG RESOURCES, INC.**

NBU #451-1E  
SECTION 1, T10S, R22E, S.L.B.&M.  
1965' FSL 2132' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

11 24 97  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 10-22-04 C.P.

**D**  
TOPO



003

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/04/2005

API NO. ASSIGNED: 43-047-36279

WELL NAME: NBU 451-1E

OPERATOR: EOG RESOURCES INC ( N9550 )

CONTACT: ED TROTTER

PHONE NUMBER: 435-789-4120

## PROPOSED LOCATION:

NESW 01 100S 220E

SURFACE: 1965 FSL 2132 FWL

BOTTOM: 1965 FSL 2132 FWL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-010953

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: PRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 39.97613

LONGITUDE: -109.3895

## RECEIVED AND/OR REVIEWED:

- ☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
 (No. NM-2308 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
 (No. 49-1501 )  
☒ RDCC Review (Y/N)  
 (Date: )  
☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

R649-2-3.

Unit NATURAL BUTTES *OK*

R649-3-2. General

Siting: 460 From Qtr/Qtr &amp; 920' Between Wells

R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-1999

Siting: 460' fr ubdrg &amp; uncomm. trees

R649-3-11. Directional Drill

## COMMENTS:

## STIPULATIONS:

1- Federal Approved  
2- OIL SHALE





# State of Utah

## Department of Natural Resources

MICHAEL R. TYLER  
*Executive Director*

### Division of Oil, Gas & Mining

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

February 7, 2005

EOG Resources, Inc.  
P O Box 1815  
Vernal, UT 84078

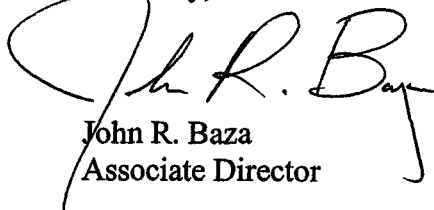
Re: Natural Buttes Unit 451-1E Well, 1965' FSL, 2132' FWL, NE SW, Sec. 1,  
T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36279.

Sincerely,



John R. Baza  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

Operator: EOG Resources, Inc.  
Well Name & Number Natural Buttes Unit 451-1E  
API Number: 43-047-36279  
Lease: U-010953

Location: NE SW                      Sec. 1                      T. 10 South                      R. 22 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

**U-010953**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

**NATURAL BUTTES UNIT**

8. Lease Name and Well No.

**NATURAL BUTTES UNIT 451-1E**

9. API Well No.

**43-047-36279**

10. Field and Pool, or Exploratory

**NATURAL BUTTES**

11. Sec., T., R., M., or Blk. and Survey or Area

**SEC. 1, T10S, R22E,  
S.L.B.&M.**

12. County or Parish

**UINTAH**

13. State

**UTAH**

1a. Type of Work: ☒ DRILL

☐ REENTER **FEB - 3 2005**

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other

☐ Single Zone ☒ Multiple Zone

2. Name of Operator

**EOG RESOURCES, INC.**

3a. Address **P.O. BOX 1815**

**VERNAL, UT 84078**

3b. Phone No. (Include area code)

**(435)789-0790**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface **1965' FSL, 2132' FWL**

**NE/SW**

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office\*

**24.05 MILES SOUTHEAST OF OURAY, UTAH**

15. Distance from proposed\*

location to nearest  
property or lease line, ft. **1965'**  
(Also to nearest drig. Unit line, if any)

16. No. of Acres in lease

**160**

17. Spacing Unit dedicated to this well

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. See Topo Map C

19. Proposed Depth

**7010'**

20. BLM/BIA Bond No. on file

**NM-2308**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

**5091.6 FEET GRADED GROUND**

22. Approximate date work will start\*

**UPON APPROVAL**

23. Estimated duration

**45 DAYS**

24. Attachments

Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

*Ed Trotter*

Name (Printed/Typed)

**Ed Trotter**

Date

**January 22, 2005**

Title

**Agent**

Approved by (Signature)

Name (Printed/Typed)

**RECEIVED**

Date

**08/03/2005**

Title

**Assistant Field Manager  
Mineral Resources**

Office

**AUG 11 2005**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of Approval, if any, are attached:

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)



**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Operator/Company: EOG Resources Inc.

Well Name/Number: NBU 451-1E

API Number: 43-047-36279

Location: NESW Sec Tship Rng.: 01, T10S, R22E

Lease Number: UTU-010953

Agreement Name (If Applicable): Unit Natural Buttes

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware that fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).**

Operator EOG Resources Inc.; COA ; (Csg Cmnt) Top Of Cement TOC\_\_cmt Csg...# 5  
[isolate & protect interval base of useable water]

The calculated circulation or top of cement does not reach the surface for the production casing string, factoring in operator indicated excess percentages (when specified). Additional cement beyond the proposed levels indicated in the operators application will need to be pumped. The cement volumes pumped should include appropriate excess factors. To protect and isolate the base of useable water, the calculated top of cement needs to be above depth feet 3321 to interval ~BsWtrUs, which allows for two hundred feet of separation.

COA to operator proposed variance(s)  
Operator EOG Variance Requests

If the well pad requirements are met per OOGO No. 2, then the blooie line installed length is to be the regulatory specified 100 feet. In the case when well pad location dimensions do not allow for a blooie line of 100 feet, then the proposed contingency variance is granted for a shorter blooie line of 75 feet.

Proposed variance(s) in APD related to blooie line operations are approved.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

Matt Baker (435) 828-4470  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

Company/Operator: EOG Resources Inc.

API Number 43-047-36279

Well Name & Number: NBU 451-1E

Lease number: UTU-010953

Location: NESW Sec, 1 T.10S. R. 22E.

Surface Ownership: BLM

Date NOS Received: 11/03/04

Date APD Received: 2/3/05

Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-010953
2. NAME OF OPERATOR: EOG RESOURCES, INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. BOX 1910 CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT
PHONE NUMBER: (435) 789-4120		8. WELL NAME and NUMBER: NATURAL BUTTES UNIT 451-1E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1965' FSL, 2132' FWL		9. API NUMBER: 4304736279
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 1 10S 22E S		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Extension Request</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EOG Resources, Inc. requests that the APD for the subject well be extended for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 01-31-2006

By: [Signature]

COPY SENT TO OPERATOR  
Date: 2-2-06  
Initials: CHD

NAME (PLEASE PRINT) Ed Trotter

TITLE Agent

SIGNATURE [Signature]

DATE 1/28/2006

(This space for State use only)

RECEIVED  
JAN 31 2006

DIV. OF OIL, GAS & MINING

RESOL

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304736279  
**Well Name:** NATURAL BUTTES UNIT 451-1E  
**Location:** 1965' FSL, 2132' FWL, NESW, SEC. 1, T10S, R22E  
**Company Permit Issued to:** EOG RESOURCES, INC.  
**Date Original Permit Issued:** 2/7/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

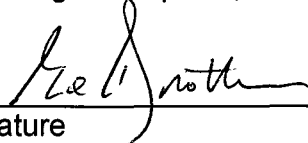
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
\_\_\_\_\_  
Signature

1/28/2006  
\_\_\_\_\_  
Date

**Title:** Agent  
\_\_\_\_\_

**Representing:** EOG RESOURCES, INC.  
\_\_\_\_\_

**RECEIVED**  
**JAN 31 2006**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS****Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE- Other instructions on reverse side.**1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator **EOG RESOURCES, INC.**3a. Address  
**P.O. Box 1815 Vernal, UT 84078**3b. Phone No. (include area code)  
**435-781-9111**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1965 FSL 2132 FWL (NESW)  
SECTION 1, T10S, R22E S.L.B.&M**

5. Lease Serial No.

**U-010953**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NATURAL BUTTES UNIT 451-01E**

9. API Well No.

**43-047-36279**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UT****12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>APD RENEWAL</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**EOG Resources, Inc. respectfully requests the referenced APD originally approved 8/3/2005 be extended for one year.**

**CONDITIONS OF APPROVAL ATTACHED**14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)**Kaylene R. Gardner**Title **Regulatory Assistant**

Signature

Date

**06/26/2006****THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

**Petroleum Engineer**

Date

**Jul 25 2006**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**SEP 01 2006**

DIV. OF OIL, GAS &amp; MINING

# **CONDITIONS OF APPROVAL**

## **EOG Resources, LLC**

### **Notice of Intent APD Extension**

**Lease:** UTU-010953  
**Well:** NBU 451-01E  
**Location:** NESW Sec 1-T10S-R22E

An extension for the referenced APD is approved with the following conditions:

---

1. The extension and APD shall expire on 8/3/07
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Matt Baker of this office at (435) 781-4490

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
EOG RESOURCES, INC.

3. ADDRESS OF OPERATOR:  
1060 East Highway 40 CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:  
(435) 789-0790

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1965 FSL 2132 FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 1 10S 22E S.L.B. & M

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U-010953

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
NATURAL BUTTES UNIT

8. WELL NAME and NUMBER:  
NATURAL BUTTES UNIT 451-1E

9. API NUMBER:  
43-047-36279

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION REQUEST</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 02-01-07  
By: [Signature]

SENT TO OPERATOR  
2-2-07  
Rm

NAME (PLEASE PRINT) Kaylene R. Gardner

TITLE Sr. Regulatory Assistant

SIGNATURE [Signature]

DATE 1/29/2007

(This space for State use only)

RECEIVED

FEB 01 2007

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-36279  
**Well Name:** Natural Buttes Unit 451-1E  
**Location:** 1965 FSL 2132 FWL (NESW), SECTION 1, T10S, R22E S.L.B.&M  
**Company Permit Issued to:** EOG RESOURCES, INC.  
**Date Original Permit Issued:** 2/7/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

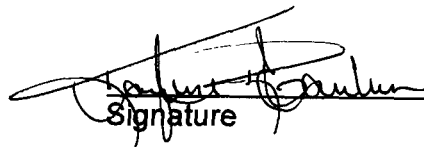
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

1/29/2007

Date

Title: Sr. Regulatory Assistant

Representing: EOG Resources, Inc.

RECEIVED

FEB 01 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-010953
2. Name of Operator EOG Resources, Inc.		6. If Indian, Allottee or Tribe Name
3a. Address 600 17th Street, Suite 1000N, Denver, CO 80202	3b. Phone No. (include area code) 303-824-5526	7. If Unit or CA/Agreement, Name and/or No. Natural Buttes Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1965' FSL & 2132' FWL (NESW) Sec. 1-T10S-R22E 39.97613 LAT 109.38952 LON		8. Well Name and No. Natural Buttes Unit 451-1E
		9. API Well No. 43-047-36279
		10. Field and Pool, or Exploratory Area Natural Buttes/Wasatch/Mesaverde
		11. County or Parish, State Utah County, Utah

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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EOG Resources, Inc. requests permission to change the surface casing depth on the referenced well from:

500'  
to  
2300'

A revised drilling plan is attached.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
JUN 06 2007  
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Mary A. Maestas		Title Regulatory Assistant
Signature Mary A. Maestas		Date 06/04/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title	Date
	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## EIGHT POINT PLAN

### NATURAL BUTTES UNIT 451-01E NE/SW, SEC. 1, T10S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### **1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:**

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,161		Shale	
Wasatch	4,174	Primary	Sandstone	Gas
Chapita Wells	4,693	Primary	Sandstone	Gas
Buck Canyon	5,336	Primary	Sandstone	Gas
North Horn	6,191	Primary	Sandstone	Gas
KMV Price River	6,950	Primary	Sandstone	Gas
TD	7,010			

Estimated TD: 7,010' or 200'± below Price River top      Anticipated BHP: 3,828 Psig

1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,000 ft ±.
2. Cement isolation is installed to surface of the well isolating all zones by cement.

#### **3. PRESSURE CONTROL EQUIPMENT:**

Production Hole – 5000 Psig  
BOP schematic diagrams attached.

#### **4. CASING PROGRAM:**

CASING	Hole Size	Length	Size	WEIGHT	Grade	Thread	Rating Collapse	Factor Burst	Tensile
Conductor	17 1/2"	0 – 45'	13 3/4"	48.0#	H-40	STC	770 PSI	1730 PSI	322,000#
Surface	12 1/4"	0' – 2,300' KB±	9-5/8"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface – TD	4-1/2"	11.6#	N-80	LTC	6350 PSI	7780 Psi	233,000#

Note: 12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/8" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.



## EIGHT POINT PLAN

### NATURAL BUTTES UNIT 451-01E NE/SW, SEC. 1, T10S, R22E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### **5. Float Equipment:**

##### **Surface Hole Procedure (0' - 2300'±)**

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

##### **Production Hole Procedure (2300'± - TD):**

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-1/2", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### **6. MUD PROGRAM**

##### **Surface Hole Procedure (Surface - 2300'±):**

Air/air mist or aerated water.

**Production Hole Procedure (2300'± - TD):** Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

**2300'± - TD** A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

#### **7. VARIANCE REQUESTS:**

**Reference:** Onshore Oil and Gas Order No. 2 – Item E: Special Drilling Operations

EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. Due to reduce location excavation, the blooie line will be approximately 75' in length

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 451-01E**  
**NE/SW, SEC. 1, T10S, R22E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**8. EVALUATION PROGRAM:**

**Logs:** Mud log from base of surface casing to TD.  
**Cased-hole Logs:** Cased-hole logs will be run in lieu of open-hole logs consisting of the following:  
**Cement Bond / Casing Collar Locator and Pulsed Neutron**

**9. CEMENT PROGRAM:**

**Surface Hole Procedure (Surface - 2300'±):**

**Lead:** 185 sks Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

**Tail:** 207 sks Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Top Out:** As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Note:** Cement volumes will be calculated to bring lead cement to surface and tail cement to 500' above the casing shoe.

**Production Hole Procedure (2300'± - TD)**

**Lead:** 106 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44 (Salt), 0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail:** 585 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

**Note:** The above number of sacks is based on gauge-hole calculation.  
Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe.  
Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

**Final Cement volumes will be based upon gauge-hole plus 45% excess.**

**EIGHT POINT PLAN**

**NATURAL BUTTES UNIT 451-01E**  
**NE/SW, SEC. 1, T10S, R22E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**10. ABNORMAL CONDITIONS:**

**Surface Hole (Surface - 2300'±):**

Lost circulation

**Production Hole (2300'± - TD):**

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

**11. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**12. HAZARDOUS CHEMICALS:**

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

# DIVISION OF OIL, GAS AND MINING

## ***SPUDDING INFORMATION***

Name of Company: EOG Resources, Inc

Well Name: NBU 451-1E

API No: 43-047-36279 Lease Type: Federal

Section 01 Township 10S Range 22E County Uintah

Drilling Contractor Craig's Roustabout Services Rig # Bucket

### **SPUDDED:**

Date 6-12-07

Time 3:30 PM

How Dry

***Drilling will Commence:*** \_\_\_\_\_

Reported by Dale Cook

Telephone # 435-828-3630

Date 6-13-07 Signed RM

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: EOG RESOURCES, INC. Operator Account Number: N 9550  
Address: 600 17th Street  
city Denver  
state CO zip 80202 Phone Number: (303) 262-2812

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-36279	NATURAL BUTTES UNIT 451-1E		NESW	1	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>AB</i>	99999	<i>2900</i>	6/12/2007			<i>6/21/07</i>	
Comments: <i>PRRV = MVRD = WSTMVD</i>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-38709	HOSS 37-30		NWNE	30	8S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>A</i>	99999	<i>16189</i>	6/12/2007			<i>6/21/07</i>	
Comments: <i>PRRV = MVRD</i>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-38701	HOSS 32-30		NWSW	30	8S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>A</i>	99999	<i>16190</i>	6/12/2007			<i>6/21/07</i>	
Comments: <i>PRRV = MVRD</i>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Carrie MacDonald

Name (Please Print)

Signature

Operations Clerk

Title

6/19/2007

Date

**RECEIVED**

**JUN 21 2007**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

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**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**EOG Resources, Inc.**

3a. Address  
**600 17th Street, Suite 1000N, Denver, CO 80202**

3b. Phone No. (include area code)  
**303-262-2812**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1,965' FSL & 2,132' FWL (NESW)  
Sec. 1-T10S-R22E**

5. Lease Serial No.

**U-010953**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**Natural Buttes Unit**

8. Well Name and No.

**Natural Buttes Unit 451-1E**

9. API Well No.

**43-047-36279**

10. Field and Pool, or Exploratory Area

**Natural Buttes/Wasatch/Mesaverde**

11. County or Parish, State

**Uintah County, Utah**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>Well spud</b>
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**The referenced well spud on 6/12/2007.**

**RECEIVED**

**JUN 21 2007**

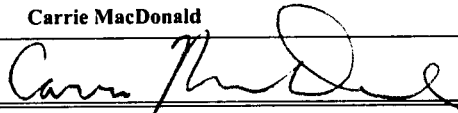
**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Carrie MacDonald**

Title **Operations Clerk**

Signature



Date

**06/19/2007**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator **EOG Resources, Inc.**

3a. Address  
**600 17th Street, Suite 1000N, Denver, CO 80202**

3b. Phone No. (include area code)  
**303-262-2812**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1,965' FSL & 2,132' FWL (NESW)  
Sec. 1-T10S-R22E**

5. Lease Serial No.

**U-010953**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**Natural Buttes Unit**

8. Well Name and No.

**Natural Buttes Unit 451-1E**

9. API Well No.

**43-047-36279**

10. Field and Pool, or Exploratory Area

**Natural Buttes/Wasatch/Mesaverde**

11. County or Parish, State

**Uintah County, Utah**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**EOG Resources, Inc. requests authorization for disposal of produced water from the referenced well to any of the following locations.**

1. Natural Buttes Unit 21-20B SWD
2. Chapita Wells Unit 550-30N SWD
3. Ace Disposal
4. RN Industries

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

**RECEIVED**

**JUN 21 2007**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Carrie MacDonald**

Title **Operations Clerk**

Signature

*Carrie MacDonald*

Date

**06/19/2007**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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(Instructions on page 2)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
UTU010953

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
NATURAL BUTTES UN

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.  
NATURAL BUTTES UNIT 451-01E

2. Name of Operator  
EOG RESOURCES, INC.

Contact: MARY A. MAESTAS  
E-Mail: mary\_maestas@eogresources.com

9. API Well No.  
43-047-36279

3a. Address  
600 17TH ST., SUITE 1000N  
DENVER, CO 80202

3b. Phone No. (include area code)  
Ph: 303-824-5526  
Fx: 303-824-5527

10. Field and Pool, or Exploratory  
NATURAL BUTTES/WASATCH/MV

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 1 T10S R22E NESW 1965FSL 2132FWL  
39.97613 N Lat, 109.38952 W Lon

11. County or Parish, and State  
UINTAH COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Production Start-up
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The referenced well was turned to sales on 9/2/2007. Please see the attached operations summary report for drilling and completion operations performed on the subject well.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #56286 verified by the BLM Well Information System  
For EOG RESOURCES, INC., sent to the Vernal**

Name (Printed/Typed) MARY A. MAESTAS

Title REGULATORY ASSISTANT

Signature (Electronic Submission)

Date 09/07/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**RECEIVED**

**SEP 11 2007**

**DIV. OF OIL, GAS & MINING**



# WELL CHRONOLOGY REPORT

Report Generated On: 09-07-2007

<b>Well Name</b>	NBU 451-01E	<b>Well Type</b>	DEVG	<b>Division</b>	DENVER
<b>Field</b>	NATURAL BUTTES UNIT	<b>API #</b>	43-047-36279	<b>Well Class</b>	ISA
<b>County, State</b>	UINTAH, UT	<b>Spud Date</b>	08-01-2007	<b>Class Date</b>	09-02-2007
<b>Tax Credit</b>	N	<b>TVD / MD</b>	7,010/ 7,010	<b>Property #</b>	055922
<b>Water Depth</b>	0	<b>Last CSG</b>	0.0	<b>Shoe TVD / MD</b>	0/ 0
<b>KB / GL Elev</b>	5,104/ 5,092				
<b>Location</b>	Section 1, T10S, R22E, NESW, 1965 FSL & 2132 FWL				

<b>Event No</b>	1.0	<b>Description</b>	DRILL & COMPLETE		
<b>Operator</b>	EOG RESOURCES, INC	<b>WI %</b>	66.667	<b>NRI %</b>	48.062

AFE No		303200		AFE Total		1,282,400		DHC / CWC		583,600/ 698,800													
Rig Contr		ENSIGN		Rig Name		ENSIGN #81		Start Date		02-08-2005		Release Date		08-06-2007									
02-08-2005		Reported By																					
Daily Costs: Drilling		\$0		Completion		\$0		Daily Total		\$0													
Cum Costs: Drilling		\$0		Completion		\$0		Well Total		\$0													
MD		0		TVD		0		Progress		0		Days		0		MW		0.0		Visc		0.0	
Formation :				PBTD : 0.0				Perf :				PKR Depth : 0.0											

## Activity at Report Time: LOCATION DATA

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION DATA:
			1965' FSL & 2132' FWL (NE/SW)
			SECTION 1, T10S, R22E
			UINTAH COUNTY, UTAH
			LAT 39.976127, LONG 109.389520
			RIG: ENSIGN #81
			OBJECTIVE: 7010' TD, MESAVERDE
			DW/GAS
			NATURAL BUTTES PROSPECT
			DD& A FIELD: NATURAL BUTTES
			NATURAL BUTTES FIELD
			LEASE: U-010953
			ELEVATION: 5092' NAT GL, 5091.6' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 5092'), 5104' KB (12')
			EOG WI 66.6667%, NRI 48.061643%
			includes .291496% ORRI

06-04-2007      Reported By      TERRY CSERE

<b>Daily Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Daily Total</b>	\$38,000
<b>Cum Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$38,000
<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: BUILD LOCATION

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	LOCATION STARTED.

06-05-2007 Reported By TERRY CSERE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$38,000
<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: BUILD LOCATION

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	LOCATION 5% COMPLETE.

06-06-2007 Reported By TERRY CSERE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$38,000
<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: BUILD LOCATION

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	LOCATION 30% COMPLETE.

06-07-2007 Reported By TERRY CSERE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$38,000
<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: BUILD LOCATION

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	PUSHING OUT PIT.

06-08-2007 Reported By TERRY CSERE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$38,000
<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: BUILD LOCATION

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	ROCKED OUT.

06-11-2007 Reported By TERRY CSERE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$38,000
<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	SHOOTING TODAY.

06-12-2007 Reported By TERRY CSERE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$38,000
<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: BUILD LOCATION

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LINE PIT TODAY.

06-13-2007 Reported By TERRY CSERE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$38,000
<b>MD</b>	0	<b>TVD</b>	0	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: BUILD LOCATION/NO BUCKET RIG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	LOCATION COMPLETE.

06-18-2007 Reported By TERRY CSERE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$38,000	<b>Completion</b>	\$0	<b>Well Total</b>	\$38,000
<b>MD</b>	40	<b>TVD</b>	40	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: BUILD LOCATION/NO AIR RIG

Start	End	Hrs	Activity Description
06:00	06:00	24.0	CRAIGS ROUSTABOUT SERVICE SPUD A 20" HOLE ON 6/12/2007 @ 3:00 PM. SET 40' OF 14" CONDUCTOR. CEMENT TO SURFACE WITH READY MIX. DALL COOK NOTIFIED CAROL DANIELS W/UDOGM AND MICHAEL LEE W/BLM OF THE SPUD 6/12/2007 @ 2:30 PM.

06-27-2007 Reported By TERRY CSERE

<b>Daily Costs: Drilling</b>	\$198,155	<b>Completion</b>	\$0	<b>Daily Total</b>	\$198,155
<b>Cum Costs: Drilling</b>	\$236,155	<b>Completion</b>	\$0	<b>Well Total</b>	\$236,155
<b>MD</b>	2,318	<b>TVD</b>	2,318	<b>Progress</b>	0
<b>Days</b>	0	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: WORT

Start	End	Hrs	Activity Description
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06:00 06:00 24.0 MIRU BILL JR AIR RIG #9 ON 6/14/2007. DRILLED 12-1/4" HOLE TO 2340' GL. ENCOUNTERED WATER @ 1410' & 1500'. RAN 54 JTS (2306.20') OF 9-5/8", 36.0#/FT, J-55, ST&C CASING WITH TOP-CO GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2318' KB. RDMO AIR RIG.

MIRU BIG 4 CEMENTING. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 1200 PSIG. PUMPED 165 BBLs FRESH WATER & 20 BBLs GELLED WATER FLUSH AHEAD OF CEMENT. MIXED & PUMPED 350 SX (71.6 BBLs) OF PREMIUM CEMENT W/2% CACL2 & 1/4 #/SX FLOCELE. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX.

DISPLACED CEMENT W/174.8 BBLs FRESH WATER. BUMPED PLUG W/880# @ 4:25 PM, 6/17/2007. CHECKED FLOAT, FLOAT HELD. SHUT-IN CASING VALVE. NO RETURNS.

TOP JOB # 1: MIXED & PUMPED 100 SX (28.4 BBLs) OF THIX-O-TROPIC CEMENT W/2% CaCl2, 10%GYPSUM, 10 #/SX GILSONITE, & 1 #/SX GR-3. MIXED CEMENT @ 14.2 PPG W/YIELD OF 1.60 CF/SX. NO RETURNS. WOC 2 HRS 15 MINUTES.

TOP JOB # 2: MIXED & PUMPED 100 SX (20.4 BBLs) OF PREMIUM CEMENT W/2% CaCl2 & 1/4#/SX FLOCELE. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 2 HRS.

TOP JOB # 3: MIXED & PUMPED 125 SX (25.6 BBLs) OF PREMIUM CEMENT W/2% CACL2 & 1/4#/SX FLOCELE. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 2 HRS.

TOP JOB # 4: MIXED & PUMPED 100 SX (20.4 BBLs) OF PREMIUM CEMENT W/2% CACL2 & 1/4#/SX FLOCELE. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 2 HRS.

TOP JOB # 5: MIXED & PUMPED 250 SX (51.2 BBLs) OF PREMIUM CEMENT W/2% CACL2 & 1/4#/SX FLOCELE. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED W/CEMENT BUT FELL BACK WHEN PUMPING STOPPED. WOC 2 HRS.

TOP JOB # 6: MIXED & PUMPED 50 SX (10.2 BBLs) OF PREMIUM CEMENT W/2% CACL2 & 1/4#/SX FLOCELE. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED & STOOD FULL. RDMO BIG 4 CEMENTERS.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

RAN SURVEY @ 2160', 2 DEG. TAGGED AT 2182'.

KYLAN COOK NOTIFIED JAMIE SPARGER W/BLM OF THE SURFACE CASING & CEMENT JOB ON 6/16/2007 @ 6:00 PM.

08-01-2007		Reported By		DAVID FOREMAN							
Daily Costs: Drilling		\$29,475		Completion		\$0		Daily Total		\$29,475	
Cum Costs: Drilling		\$265,630		Completion		\$0		Well Total		\$265,630	
MD	2,318	TVD	2,318	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :		PBTD : 0.0				Perf :		PKR Depth : 0.0			
Activity at Report Time: RIG UP											
Start	End	Hrs	Activity Description								
06:00	07:00	1.0	RIG DOWN. NOTIFIED DAVID HACKFORD W/UTAH STATE WOGCC F/ BOP TEST 8-1-07 @ 10:00, ROOSEVELT, UTAH, BY E-MAIL, OFFICE 435-722-7589. & B&C QUICK TEST.								
07:00	07:30	0.5	JSA & SAFETY MEETING W/ R.W.JONES & RIG CREWS .								

07:30 12:00 4.5 RIG DOWN MOVE TO NEW LOCATION NBU 451-1E CLEAR LOCATION @ 12:00.  
 12:00 16:30 4.5 RIG UP TRUCKS OFF LOCATION @ 16:30.  
 16:30 03:00 10.5 CONT. TO RIG UP RAISE DERRICK @ 19:30, RIG UP GROUND SUPPORT, RIG FLOOR.  
 03:00 06:00 3.0 PICK UP KELLY,NIPPLE UP BOP, FLOW LINE,CHOCK MANIFOLD,GAS BUSTER,FLAIR LINES, FUNCTION TEST BOP, CONT. RIG UP,SET PIPE RACKS,LOAD RACKS,SLM BHA & PIPE.NOTIFIED B&C QUICK @ 03:30 F/ TEST AT 06:00.

\*\*\*RIG ON DAYWORK AT 03:00 8/1/07\*\*\*

ACCIDENTS NONE REPORTED  
 SAFETY MEETING:RIG UP/WORK W/ TRUCKS  
 CREWS FULL.

FUEL ON HAND,1906 USED 370

MUD LOGGER ON LOCATION F/ 8-1-07 ( ) DAYS.

JONATHAN ARRIETA

<b>08-02-2007</b>		<b>Reported By</b>		DAVID FOREMAN							
<b>Daily Costs: Drilling</b>		\$63,458		<b>Completion</b>	\$0		<b>Daily Total</b>	\$63,458			
<b>Cum Costs: Drilling</b>		\$329,088		<b>Completion</b>	\$0		<b>Well Total</b>	\$329,088			
<b>MD</b>	3,119	<b>TVD</b>	3,119	<b>Progress</b>	801	<b>Days</b>	1	<b>MW</b>	8.9	<b>Visc</b>	30.0
<b>Formation :</b>		<b>PBTD : 0.0</b>				<b>Perf :</b>		<b>PKR Depth : 0.0</b>			

**Activity at Report Time: DRILLING**

Start	End	Hrs	Activity Description
06:00	11:00	5.0	RIG UP B & C QUICK TEST & TEST BOP, PIPE RAMS,BLIND RAMS,ALL KILL LINE VALVES,CHOCK LINE & MANIFOLD,HCR,KELLY UPPER & LOWER KELLY VALVES,SAFETY VALVE,DART VALVE,ALL TO 250 PSI LOW & 5000 PSI HIGH ANNULAR 250 PSI LOW 2500 HIGH,SURFACE CSG.1500 PSI GOOD TEST. WITNESS KEVIN CHAPOOSE B & C QUICK TEST.
11:00	12:00	1.0	RIG UP WEATHERFORD LAYDOWN MACHINE,JSA,SAFETY MEETING,W/ALL PERSONNAL. INSTALL WEAR BUSHING
12:00	15:00	3.0	PICK UP BHA & DRILL PIPE TAG @ 2255'
15:00	16:00	1.0	RIG DOWN WEATHERFORD, P/U KELLY INSTALL ROT. RUBBER & DRIVER.
16:00	19:00	3.0	DRILL CEMENT/FLOAT EQUIP.F/ 2255' TO 2318' & 10' FORMATION.
19:00	19:30	0.5	CIRC. CLEAN SPOT HI VIS PILL F.I.T. 330 PSI. W/ 8.4 MUD WT.=11.2 E.M.W.
19:30	06:00	10.5	DRILLING F/ 2318' TO 3119'801,ROP,76.3,WOB,18/20,RPM,50/60,GPM,445,DIFF,130.

MUD LOSS LAST 24 HRS. 0 BBLs.

MUD WT.8.9, VIS.30,

ROT,91,,PU,95,,SO,89,

DRILLS 1 BOP DRILL

ACCIDENTS NONE REPORTED  
 FUNCTION TEST CROWN-O-MATIC  
 SAFETY MEETING: HOUSEKEEPING / TEAM WORK  
 CREWS FULL

FUEL ON HAND,6196 USED 207, REC. 4500

FORMATION TOP: GREEN RIVER

GAS BG.400 U, CONN. 3500 U,

MAX GAS 5150 U, @ 2526'

MUD LOGGER ON LOCATION F/ 8-1-07 TO (2) DAYS.

JONATHAN ARRIETA

06:00

18.0 SPUD 7 7/8" HOLE @ 19:30 HRS, 8/1/07.

08-03-2007 Reported By DAVID FOREMAN

<b>Daily Costs: Drilling</b>	\$69,711	<b>Completion</b>	\$0	<b>Daily Total</b>	\$69,711
<b>Cum Costs: Drilling</b>	\$398,820	<b>Completion</b>	\$0	<b>Well Total</b>	\$398,820
<b>MD</b>	4,962	<b>TVD</b>	4,962	<b>Progress</b>	1,843
		<b>Days</b>	2	<b>MW</b>	8.6
		<b>Visc</b>			28.0

**Formation :** PBTB : 0.0 **Perf :** PKR Depth : 0.0

**Activity at Report Time: DRILLING**

Start	End	Hrs	Activity Description
06:00	10:00	4.0	DRILLING F/ 3119' TO 3406',287',ROP,71.75,WOB,18/20,RPM,50/60,GPM,445,DIFF,130.
10:00	10:30	0.5	SURVEY @ 3223' 2.41 DEG.
10:30	15:30	5.0	DRILLING F/ 3406' TO 3851'445',ROP,89',WOB,18/20,RPM,60/65,GPM,445,DIFF,230.
15:30	16:00	0.5	SERVICE RIG
16:00	18:00	2.0	DRILLING F/ 3851' TO 3948',97',ROP,48.5,WOB,18/20,RPM,50/60,GPM,445,DIFF,290.
18:00	18:30	0.5	SURVEY @ 3948' 2.01 DEG.
18:30	02:30	8.0	DRILLING F/ 3948' TO 4740',792,ROP,99.,WOB,18/20,RPM,50/60,GPM,445,DIFF,370.
02:30	03:00	0.5	SERVICE RIG
03:00	06:00	3.0	DRILLING F/ 4740' TO 4962',222,ROP,74,WOB,18/20,RPM,50/60,GPM,445,DIFF,345.

MUD LOSS LAST 24 HRS. 0 BBLs.

MUD WT.9.2, VIS.32,

ROT,117,,PU,121,,SO,111,

DRILLS 2 BOP DRILL

ACCIDENTS NONE REPORTED

FUNCTION TEST CROWN-O-MATIC

SAFETY MEETING: W.L.SURVEYS & TRAINING/TEAMWORK,

CREWS FULL

FUEL ON HAND,5280 USED 916,

FORMATION TOP: CHAPITA WELLS

GAS BG.1000 U, CONN. 6200 U,

MAX GAS 5150 U, @ 2526'

MUD LOGGER ON LOCATION F/ 8-1-07 TO (3) DAYS.

JONATHAN ARRIETA

08-04-2007      Reported By      DAVID FOREMAN

Daily Costs: Drilling      \$31,396      Completion      \$0      Daily Total      \$31,396

Cum Costs: Drilling      \$430,217      Completion      \$0      Well Total      \$430,217

MD      6,202      TVD      6,202      Progress      1,240      Days      3      MW      9.5      Visc      33.0

Formation :      PBTB : 0.0      Perf :      PKR Depth : 0.0

Activity at Report Time: DRILLING

Start	End	Hrs	Activity Description
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06:00	09:30	3.5	DRILLING F/ 4962' TO 5215', 253', ROP, 72, WOB, 18/20, RPM, 50/65, GPM, 445, DIFF, 345.
09:30	10:00	0.5	SERVICE RIG, REPAIR WATER BOX ON DRAWWORKS. STOPPED LEAK. ( 1 LOAD PER DAY.)
10:00	13:30	3.5	DRILLING F/ 5215' TO 5438', 223', ROP, 63.7, WOB, 18/20, RPM, 60/65, GPM, 445, DIFF, 235.
13:30	14:30	1.0	W/O/ PUMP #1 & 2 PUMP #2 DOWN AFTER PUMP #1 WORK PIPE CHG. SWAB #1.
14:30	03:30	13.0	DRILLING F/ 5438' TO 6138', 700', ROP, 53.8, WOB, 18/20, RPM, 60/65, GPM, 445, DIFF, 175.
03:30	04:00	0.5	SERVICE RIG.
04:00	06:00	2.0	DRILLING F/ 6183' TO 6202', 19, ROP, 9.5, WOB, 20/22, RPM, 45/50, GPM, 443, DIFF, 170/230.

MUD LOSS LAST 24 HRS. 0 BBLS.

MUD WT. 10.3, VIS. 34,

ROT, 138, PU, 145, SO, 129,

DRILLS

ACCIDENTS NONE REPORTED

FUNCTION TEST CROWN-O-MATIC

SAFETY MEETING: W.L. SURVEYS &amp; TRAINING/TEAMWORK,

CREWS FULL

FUEL ON HAND, 4218 USED 1062,

FORMATION TOP: CHAPITA WELLS

GAS BG. 120 U, CONN. 4300 U,

MAX GAS 7475 U, @ 6082'

MUD LOGGER ON LOCATION F/ 8-1-07 TO (4) DAYS.

JONATHAN ARRIETA

NOTIFIED DAVID HACKFORD, WOGCC ROSEVELT UTAH, 435-722-7589, BY E-MAIL, 8-3-07 @09:15, F/ RUN &amp; CEMENTING 4 1/2 PRODUCTION CASING.

08-05-2007      Reported By      DAVID FOREMAN

Daily Costs: Drilling      \$37,631      Completion      \$0      Daily Total      \$37,631

Cum Costs: Drilling      \$467,848      Completion      \$0      Well Total      \$467,848

MD      7,010      TVD      7,010      Progress      808      Days      4      MW      10.4      Visc      36.0

Formation :      PBTB : 0.0      Perf :      PKR Depth : 0.0

Activity at Report Time: CIRCULATE FOR TRIP

Start	End	Hrs	Activity Description
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06:00 12:30 6.5 DRILLING F/ 6202' TO 6460' ,58' ,ROP,8.9,WOB,20/22,RPM,55/60GPM,386,DIFF,95/125.  
 12:30 13:00 0.5 W/O/PUMP #2 CHG. SWAB  
 13:00 05:00 16.0 DRILLING F/ 6460' TO 7010' TD,550' ,ROP,34.3,WOB,22/24,RPM,45/62,GPM,438,DIFF,95/135. REACHED TD AT 05:00 HRS, 8/5/07.  
 05:00 06:00 1.0 CIRC.CLEAN F/ WIPPER TRIP.

MUD LOSS LAST 24 HRS. 0 BBLs.

MUD WT.11.3, VIS.34,  
 ROT,145,PU,150,,SO,140,

ACCIDENTS NONE REPORTED  
 FUNCTION TEST CROWN-O-MATIC  
 SAFETY MEETING: PPE, W/O/PUMPS,  
 CREWS FULL

FUEL ON HAND,3210 USED 1008,  
 FORMATION TOP: PRICE RIVER  
 GAS BG.300 U, CONN. 7000 U,  
 MAX GAS 7787 U, @ 6433'

MUD LOGGER ON LOCATION F/ 8-1-07 TO 8-5-07 (5) DAYS.  
 JONATHAN ARRIETA

08-06-2007		Reported By		DAVID FOREMAN							
Daily Costs: Drilling		\$34,742		Completion		\$68,672		Daily Total		\$103,415	
Cum Costs: Drilling		\$502,591		Completion		\$68,672		Well Total		\$571,263	
MD	7,010	TVD	7,010	Progress	0	Days	5	MW	11.3	Visc	36.0
Formation :		PBTD : 0.0				Perf :		PKR Depth : 0.0			
Activity at Report Time: CIRCULATE FOR CEMENT											
Start	End	Hrs	Activity Description								
06:00	11:00	5.0	CIRC.PUMP SLUG, SHORT TRIP SHOE. TIGHT F/ 4170 TO 4043' 50 TO 60 OVER PULL & F/ 3088' TO 2380' 40 TO 50 K OVER PULL. TRIP IN OKAY NO PROBLEM CLEAN.								
11:00	12:30	1.5	CIR. CLEAN F/ LAY DOWN DRILL STRING & RUN CSG. JSA & SAFETY MEETING W/ WEATWERFORD RIG UP L/D MACHINE.								
12:30	20:30	8.0	PUMP SLUG, DROP SURVEY, LAY DOWN D/P & BHA.RECORVE SURVEY,REMOVE WEAR BUSHING.								
20:30	22:30	2.0	SAFETY MEETING W/ WEATHERFORD & RIG CREWS JSA ON RUN CASING.RIG UP TO RUN CASING. RIG UP CIRC. LINES F/ CEMENTING.								
22:30	05:00	6.5	RUN CASING CHECK FLOAT EQUIP.CONT. RUN CASING 4 1/2 ,RAN 164 JTS. 11.6#, N80, LTC AS FOLLOWS, FLOAT SHOE, 1 JT CSG, FLOAT COLLAR, 21 JTS CSG,1 MARJER JT, 54 JTS CSG, 1 MARKER JT, 88 JTS CSG, 1 PUP JT + HANGER ASS.								
			FLOAT SHOE @ 6985', MARKER JT @ 6029' TOP, MARKER JT @ 3714' TOP, CENTRALIZERS, 5 FT. ABOVE SHOE,TOP OF JT.#2 & EVERY 2ND JT.TO 3652 TOTAL 40,								
05:00	06:00	1.0	TAG @ 7010' LAY DOWN TAG JT. SPACE OUT W/ PUP JT.PICK UP DOT HANGER CIRC.W/ RIG PUMP.RIG DOWN WEATHERFORD LAY DOWN MACHINE,								
08-07-2007		Reported By		DAVID FOREMAN							



<b>Daily Costs: Drilling</b>	\$31,575	<b>Completion</b>	\$55,792	<b>Daily Total</b>	\$87,367
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$124,464	<b>Well Total</b>	\$658,631
<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0
				<b>Days</b>	6
				<b>MW</b>	0.0
				<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 0.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: RDRT

Start	End	Hrs	Activity Description
06:00	06:30	0.5	CIRC. SAFETY MEETING W/ SCHLUMBERGER, LAND CASING HANGER TEST 5000 PSI. OK
06:30	08:30	2.0	RIG UP SCHLUMBERGER, TEST LINES 5000 PSI, PUMPING 20 BBLs CHEM WASH & 20 BBLs WATER SPACER AHEAD OF LEAD., CEMENT 6985' 4 1/2 N80 11.6# CSG. LEAD 215 SKS. 35/65 POZ G + ADDS MIX D020 10.% EXTENDER, D167 .2% FLUID LOSS, D046.2%, ANTIFOAM, D013 .5% RATERDER, D130 .125
			LB/SK BLEND LOST CIRC, D065 .5% DISPERSANT. YIELD 2.26 FT3/SK, H2O 12.9, GAL/SK @ 12.
			PPG., TAIL 975 SKS 50/50 POZ G + ADDS D020 2% EXTENDER, D046 .1% ANTIFOAM, D167 .2% FLUID LOSS, D065 .2% DISPERSANT, YIELD 1.29 FT3/SK, H2O 5.9% GAL/SK @ 14.1 PPG
			DISP. TO FLOAT COLLER W/2GAL/1000 L064, FRESH WATER. W/ 108 BBLs. AVG. DISP. RATE 7.6 BPM, FULL RETURNS THROUGH OUT JOB. DROP PLUG @ 07:49 BUMPED PLUG @ 08:17 TO 2950 PSI. 1100 PSI. OVER LIFT PSI. @ 1820, HOLD PRESS. F/1 MINS. 1. BBL. BACK, FLOAT HELD. @ 08:20 CEMENT IN PLACE. RIG DOWN SCHLUMBERGER.
08:30	10:30	2.0	REMOVE LANDING JT. CLEAN MUD TANKS.
10:30	06:00	19.5	RIG DOWN. R.W.JONES ON LOCATION @ 07:00 FOR RIG MOVE, 8-7-07. 4.1 MILE.

ACCIDENTS NONE REPORTED

SAFETY MEETING: CEMENTING &amp; LANDING CSG.

CREWS, FULL

FUEL ON HAND, 2733, TRANSFERRED TO CWU 659-30

THREE JTS. 4 1/2 11.6 CSG. TRANSFERRED TO CWU 659-30

06:00 18.0 RELEASE RIG AT 10:30 HRS, 8/6/07.

CASING POINT COST \$528,391

08-13-2007 Reported By SEARLE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$40,259	<b>Daily Total</b>	\$40,259
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$164,723	<b>Well Total</b>	\$698,890
<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0
				<b>Days</b>	7
				<b>MW</b>	0.0
				<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 6940.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

Activity at Report Time: PREP FOR FRACS

Start	End	Hrs	Activity Description
06:00	06:00	24.0	MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 390'. EST CEMENT TOP @ 660'. RD SCHLUMBERGER.

08-18-2007 Reported By MCCURDY

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$2,030	<b>Daily Total</b>	\$2,030
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$166,753	<b>Well Total</b>	\$700,920
<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0
				<b>Days</b>	8
				<b>MW</b>	0.0
				<b>Visc</b>	0.0
<b>Formation :</b>	<b>PBTD : 6940.0</b>		<b>Perf :</b>	<b>PKR Depth : 0.0</b>	

**Activity at Report Time: WO COMPLETION**

Start	End	Hrs	Activity Description
09:30	10:30	1.0	NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION.

08-22-2007	Reported By	HOOLEY
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<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$5,865	<b>Daily Total</b>	\$5,865						
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$172,618	<b>Well Total</b>	\$706,785						
<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0	<b>Days</b>	8	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation : MESAVERDE / WASATCH</b>		<b>PBTD : 6940.0</b>		<b>Perf : 6269-6901</b>		<b>PKR Depth : 0.0</b>					

**Activity at Report Time: FRAC**

Start	End	Hrs	Activity Description
11:00	18:00	7.0	SICP 0 PSIG. RU CUTTERS WL. PERFORATED UPR FROM 6900-01', 6893-94', 6865-66', 6848-49', 6841-42', 6837-38', 6804-05', 6800-01', 6793-94', 6774-75', 6770-01', 6766-67' AND 6757-58' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 3115 GAL WF120 PAD, 37793 GAL WF120 & YF116ST+ WITH 100300# 20/40 SAND @ 1-5 PPG. MTP 5873 PSIG. MTR 49.9 BPM. ATP 3873 PSIG. ATR 45.5 BPM. ISIP 2000 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 6730'. PERFORATED UPR FROM 6716-17', 6692-93', 6678-79', 6669-70', 6650-51', 6638-39', 6614-15', 6609-10', 6600-01', 6533-34', 6501-02' AND 6495-96' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 4135 GAL WF120 PAD, 56765 GAL WF120 & YF116ST+ WITH 160500# 20/40 SAND @ 1-5 PPG. MTP 6135 PSIG. MTR 54.2 BPM. ATP 4265 PSIG. ATR 49.0 BPM. ISIP 2250 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 6455'. PERFORATED NORTH HORN FROM 6432-33', 6418-19', 6404-05', 6375-76', 6368-70', 6354-55', 6344-45', 6331-32', 6311-12', 6297-98', 6288-89' AND 6269-70' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 4101 GAL WF120 PAD, 64317 GAL WF120 & YF116ST+ WITH 185400# 20/40 SAND @ 1-5 PPG. MTP 5938 PSIG. MTR 52.4 BPM. ATP 4073 PSIG. ATR 50.0 BPM. ISIP 2150 PSIG. RD SCHLUMBERGER. SDFN.

08-23-2007	Reported By	HOOLEY
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<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$221,560	<b>Daily Total</b>	\$221,560						
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$394,178	<b>Well Total</b>	\$928,345						
<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0	<b>Days</b>	9	<b>MW</b>	0.0	<b>Visc</b>	0.0
<b>Formation : MESAVERDE / WASATCH</b>		<b>PBTD : 6940.0</b>		<b>Perf : 4714-6901</b>		<b>PKR Depth : 0.0</b>					

**Activity at Report Time: PREP TO MIRUSU**

Start	End	Hrs	Activity Description
06:00	13:00	7.0	SICP 850 PSIG. RUWL. SET 10K CFP AT 6220'. PERFORATED NORTH HORN/Ba FROM 6206-07', 6192-93', 6169-70', 6150-51', 6130-31', 6095-96', 6088-89', 6066-67', 6058-59', 6039-40' AND 6013-15' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 250 GAL 7-1/2% HCL, 2049 GAL WF120 PAD, 31173 GAL WF120 & YF116ST+ WITH 79900# 20/40 SAND @ 1-4 PPG. MTP 6087 PSIG. MTR 50.8 BPM. ATP 4537 PSIG. ATR 47.7 BPM. ISIP 2300 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 5930'. PERFORATED Ba FROM 5908-09', 5902-03', 5891-92', 5873-74', 5840-41', 5815-16', 5791-92', 5744-45', 5722-23', 5684-86' AND 5678-79' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 250 GAL 7-1/2% HCL, 2695 GAL WF120 PAD, 32291 GAL WF120 & YF116ST+ WITH 83300# 20/40 SAND @ 1-4 PPG. MTP 6157 PSIG. MTR 49.9 BPM. ATP 4215 PSIG. ATR 45.5 BPM. ISIP 1750 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 5060'. PERFORATED Ca FROM 5034-44' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 250 GAL 7-1/2% HCL, 2059 GAL WF120 PAD, 19613 GAL WF120 & YF116ST+ WITH 42700# 20/40 SAND @ 1-4 PPG. MTP 4663 PSIG. MTR 50.9 BPM. ATP 3265 PSIG. ATR 42.9 BPM. ISIP 1850 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 4880'. PERFORATED Ca FROM 4861-65', 4853-56', 4844-47', 4829-30' AND 4819-20' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 250 GAL 7-1/2% HCL, 2052 GAL WF120 PAD, 24618 GAL WF120 & YF116ST+ WITH 64100# 20/40 SAND @ 1-4 PPG. MTP 4232 PSIG. MTR 51.0 BPM. ATP 3210 PSIG. ATR 44.5 BPM. ISIP 2150 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 4755'. PERFORATED Pp FROM 4740-41', 4728-30' AND 4714-22' @ 3 SPF & 120° PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 250 GAL 7-1/2% HCL, 2062 GAL WF120 PAD, 20114 GAL WF120 & YF116ST+ WITH 45500# 20/40 SAND @ 1-4 PPG. MTP 5247 PSIG. MTR 50.8 BPM. ATP 3719 PSIG. ATR 44.7 BPM. ISIP 2250 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CBP @ 4658'. BLE D OFF PRESSURE. RDWL. SDFN.

08-28-2007		Reported By		HAL IVIE							
Daily Costs: Drilling		\$0		Completion		\$41,333		Daily Total		\$41,333	
Cum Costs: Drilling		\$534,166		Completion		\$435,511		Well Total		\$969,678	
MD	7,010	TVD	7,010	Progress	0	Days	10	MW	0.0	Visc	0.0
Formation : MESAVERDE / WASATCH			PBTD : 6940.0			Perf : 4714-6901			PKR Depth : 0.0		
Activity at Report Time: CLEAN OUT AFTER FRAC											
Start	End	Hrs	Activity Description								
06:00	17:00	11.0	SICP 0 PSIG. MIRU ROYAL RIG # 1. ND FRAC TREE. NU BOP. RIH W/MILL & PUMP OFF BIT SUB TO CBP @ 4658' KB. RU TO DRILL PLUGS. SDFN.								

08-29-2007		Reported By		HAL IVIE							
Daily Costs: Drilling		\$0		Completion		\$37,452		Daily Total		\$37,452	
Cum Costs: Drilling		\$534,166		Completion		\$472,963		Well Total		\$1,007,130	
MD	7,010	TVD	7,010	Progress	0	Days	11	MW	0.0	Visc	0.0
Formation : MESAVERDE / WASATCH		PBTD : 6940.0		Perf : 4714-6901		PKR Depth : 0.0					
Activity at Report Time: FLOW TEST											
Start	End	Hrs	Activity Description								
06:00	06:00	24.0	SICP 0 PSIG. CLEANED OUT & DRILLED OUT PLUGS @ 4658', 4755', 4880', 5060', 5930', 6220', 6455' & 6730'. RIH. CLEANED OUT TO PBTD @ 6940'. LANDED TBG @ 6111' KB. ND BOPE. NU TREE. PUMPED OFF BIT & SUB. RDMOSU.								

FLOWED 11 HRS. 32/64" CHOKE. FTP 900 PSIG. CP 1100 PSIG. 57 BFPH. RECOVERED 625 BLW. 6436 BLWTR.

TUBING DETAIL LENGTH

PUMP OFF SUB 1.00'

1 JT 2-3/8" 4.7# J-55 TBG 32.50'

XN NIPPLE 1.10'

191 JTS 2-3/8" 4.7# J-55 TBG 6064.43'

BELOW KB 12.00'

LANDED @ 6111.03' KB

**08-30-2007**      **Reported By**      HAL IVIE

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$2,375	<b>Daily Total</b>	\$2,375
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$475,338	<b>Well Total</b>	\$1,009,505
<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0
		<b>Days</b>	12	<b>MW</b>	0.0
		<b>Visc</b>		<b>PKR Depth</b>	0.0
<b>Formation : MESAVERDE / WASATCH</b>					
<b>PBTD : 6940.0</b>		<b>Perf : 4714-6901</b>			

**Activity at Report Time: INSULATING FACILITIES**

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	FLOWED 24 HRS. 32/64" CHOKE. FTP 900 PSIG. CP 1350 PSIG. 27 BFPH. RECOVERED 663 BLW. 5773 BLWTR. SI. INSULATING FACILITIES.

**09-04-2007**      **Reported By**      DUANE COOK

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$475,338	<b>Well Total</b>	\$1,009,505
<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0
		<b>Days</b>	13	<b>MW</b>	0.0
		<b>Visc</b>		<b>PKR Depth</b>	0.0
<b>Formation : MESAVERDE / WASATCH</b>					
<b>PBTD : 6940.0</b>		<b>Perf : 4714-6901</b>			

**Activity at Report Time: INITIAL PRODUCTION**

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	INITIAL PRODUCTION. OPENING PRESSURE: TP 1825 & CP 1850 PSI. TURNED WELL TO QUESTAR SALES AT 10:00 AM, 9/2/07. FLOWED 100 MCFD RATE ON 10/64" POS CHOKE. STATIC 547.

**09-05-2007**      **Reported By**      ALAN WATKINS

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$475,338	<b>Well Total</b>	\$1,009,505
<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0
		<b>Days</b>	14	<b>MW</b>	0.0
		<b>Visc</b>		<b>PKR Depth</b>	0.0
<b>Formation : MESAVERDE / WASATCH</b>					
<b>PBTD : 6940.0</b>		<b>Perf : 4714-6901</b>			

**Activity at Report Time: ON SALES**

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	FLOWED 773 MCF, 6 BC & 45 BW IN 24 HRS ON 10/64" CHOKE, TP 1600 PSIG & CP 1800 PSIG.

**09-06-2007**      **Reported By**      ALAN WATKINS

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$475,338	<b>Well Total</b>	\$1,009,505
<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0
		<b>Days</b>	15	<b>MW</b>	0.0
		<b>Visc</b>		<b>PKR Depth</b>	0.0
<b>Formation : MESAVERDE / WASATCH</b>					
<b>PBTD : 6940.0</b>		<b>Perf : 4714-6901</b>			

**Activity at Report Time: ON SALES**

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	FLOWED 645 MCF, 0 BC & 45 BW IN 24 HRS ON 10/64" CHOKE, TP 1600 PSIG & CP 1800 PSIG.

**09-07-2007**      **Reported By**      ALAN WATKINS

<b>Daily Costs: Drilling</b>	\$0	<b>Completion</b>	\$0	<b>Daily Total</b>	\$0
<b>Cum Costs: Drilling</b>	\$534,166	<b>Completion</b>	\$475,338	<b>Well Total</b>	\$1,009,505

<b>MD</b>	7,010	<b>TVD</b>	7,010	<b>Progress</b>	0	<b>Days</b>	16	<b>MW</b>	0.0	<b>Visc</b>	0.0
-----------	-------	------------	-------	-----------------	---	-------------	----	-----------	-----	-------------	-----

<b>Formation :</b> MESAVERDE / WASATCH	<b>PBTD :</b> 6940.0	<b>Perf :</b> 4714-6901	<b>PKR Depth :</b> 0.0
--	----------------------	-------------------------	------------------------

**Activity at Report Time:** ON SALES

<b>Start</b>	<b>End</b>	<b>Hrs</b>	<b>Activity Description</b>
06:00	06:00	24.0	FLOWED 800 MCF, 5 BC & 51 BW IN 24 HRS ON 10/64" CHOKE, TP 1625 PSIG & CP 1800 PSIG.

---

**OPERATOR CHANGE WORKSHEET****X Change of Operator (Well Sold)**

Operator Name Change

Designation of Agent/Operator

Merger

**ROUTING**

1. DJJ

2. CDW

The operator of the well(s) listed below has changed, effective:

**8/1/2007****FROM: (Old Operator):**

N9550-EOG Resources

PO Box 250

Big Piney, WY 83113

Phone: 1-(307) 276-3331

**TO: ( New Operator):**

N2995-Kerr-McGee Oil &amp; Gas Onshore., LP

1368 South 1200 East

Vernal, UT 84078

Phone: 1-(435) 781-7024

**CA No.****Unit:****NATURAL BUTTES**

WELL NAME(S)	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 547-1E	01	100S	220E	4304736278	2900	Federal	GW	P
NBU 451-1E	01	100S	220E	4304736279	2900	Federal	GW	P
NBU 513-12EX (RIGSKID)	12	100S	220E	4304739283	2900	State	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: Completion of well
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: Completion of well
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA n/a
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 10/29/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/29/2007
- Bond information entered in RBDMS on: 10/29/2007
- Fee/State wells attached to bond in RBDMS on: 10/29/2007
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: n/a
- (R649-3-1) The **NEW** operator of any state or fee well(s) listed covered by Bond Number RLB0005236
- The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a
- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

Well to transfer upon completion to Unit Operator (See 9/23/2003 letter from EOG &amp; agreement 9/17/03 from Westport)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: \_\_\_\_\_

2. Name of Operator  
**EOG Resources, Inc.**

3. Address 600 17th Street, Suite 1000N  
Denver, CO 80202

3a. Phone No. (include area code)  
303-824-5526

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 1965' FSL & 2132' FWL (NESW) 39.97613 LAT 109.38952 LON

At top prod. interval reported below Same

At total depth Same

14. Date Spudded  
06/12/2007

15. Date T.D. Reached  
08/05/2007

16. Date Completed 09/02/2007  
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
5092' NAT GL

18. Total Depth: MD 7010  
TVD

19. Plug Back T.D.: MD 6940  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

RST/CBL/CCL/VOL/GR, Press.

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J-44	36.0#	0	2318		1075 sx			
7-7/8"	4-1/2" N-80	11.6#	0	6985		1190 sx			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	6111							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch/Mesaverde	4714	6901	6757-6901		3/spf	
B)			6495-6717		3/spf	
C)			6269-6433		3/spf	
D)			6013-6207		3/spf	

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6757-6901	41,073 GALS GELLED WATER & 100,300# 20/40 SAND
6495-6717	61,065 GALS GELLED WATER & 160,500# 20/40 SAND
6269-6433	68,583 GALS GELLED WATER & 185,400# 20/40 SAND
6013-6207	250 GALS HCL; 33,387 GALS GELLED WATER & 79,900# 20/40 SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
9/2/2007	9/8/2007	24	→	5	769	37			Flows from well
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
10/64"	1625	1800	→	5	769	37		Producing gas well	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

**RECEIVED**  
**SEP 26 2007**

\*(See instructions and spaces for additional data on page 2)

DIV. OF OIL, GAS & MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Wasatch/Mesaverde	4714	6901		Wasatch Chapita Wells	4164 4743
				Buck Canyon Price River	5343 6472

## 32. Additional remarks (include plugging procedure):

See attached sheet.

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Mary A. MaestasTitle Regulatory AssistantSignature Mary A. MaestasDate 09/25/2007

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



**Natural Buttes Unit 451-01E - ADDITIONAL REMARKS (CONTINUED):**

**26. PERFORATION RECORD**

5678-5909	3/spf
5034-5044	3/spf
4819-4865	3/spf
4714-4741	3/spf

**27. ACID, FRACTURE TREATMENT, CEMENT SQUEEZE, ETC.**

5678-5909	250 GALS HCL; 34,986 GALS GELLED WATER & 83,300# 20/40 SAND
5034-5044	250 GALS HCL; 21,672 GALS GELLED WATER & 42,700# 20/40 SAND
4819-4865	250 GALS HCL; 26,670 GALS GELLED WATER & 64,100# 20/40 SAND
4714-4741	250 GALS HCL; 22,176 GALS GELLED WATER & 45,500# 20/40 SAND

Perforated the Upper Price River from 6757-6758', 6766-6767', 6770-6771', 6774-6775', 6793-6794', 6800-6801', 6804-6805', 6837-6838', 6841-6842', 6848-6849', 6865-6866', 6893-6894' & 6900-6901' w/ 3 spf.

Perforated the Upper Price River from 6495-6496', 6501-6502', 6533-6534', 6600-6601', 6609-6610', 6614-6615', 6638-6639', 6650-6651', 6669-6670', 6678-6679', 6692-6693' & 6716-6717' w/ 3 spf.

Perforated the North Horn from 6269-6270', 6288-6289', 6297-6298', 6311-6312', 6331-6332', 6344-6345', 6354-6355', 6369-6370', 6375-6376', 6404-6405', 6418-6419' & 6432-6433' w/ 3 spf.

Perforated the North Horn/Buck Canyon from 6013-6015', 6039-6040', 6058-6059', 6066-6067', 6088-6089', 6095-6096', 6130-6131', 6150-6151', 6169-6170', 6192-6193' & 6206-6207' w/ 3 spf.

Perforated the Buck Canyon from 5678-5679', 5684-5686', 5722-5723', 5744-5745', 5791-5792', 5815-5816', 5840-5841', 5873-5874', 5891-5892', 5902-5903' & 5908-5909' w/ 3 spf.

Perforated the Chapita Wells from 5034-5044' w/ 3 spf.

Perforated the Chapita Wells from 4819-4820', 4829-4830', 4844-4847', 4853-4856' & 4861-4865' w/ 3 spf.

Perforated the Pp from 4714-4722', 4728-4730' & 4740-4741' w/ 3 spf.

## FORM 7

Well name and number: NBU 451-1E

API number: 4304736279

Well Location: QQ NESW Section 1 Township 10S Range 22E County UINTAH

Well operator: EOG Resources, Inc.

Address: 1060 E HWY 40

city VERNAL state UT zip 84078

Phone: (435) 781-9111

Drilling contractor: PRO PETRO

Address: PO BOX 827

city VERNAL state UT zip 84078

Phone: (435) 789-4729

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
330	335	NO FLOW	NOT KNOWN
1,410	1,415	NO FLOW	NOT KNOWN
1,440	1,450	NO FLOW	NOT KNOWN
1,500	1,515	NO FLOW	NOT KNOWN

Formation tops:  
(Top to Bottom)

1	_____	2	_____	3	_____
4	_____	5	_____	6	_____
7	_____	8	_____	9	_____
10	_____	11	_____	12	_____

**I hereby certify that this report is true and complete to the best of my knowledge.**

NAME (PLEASE PRINT) Mary A. Maestas

TITLE **Regulatory Assistant**

SIGNATURE Mark A. Manta

DATE 9/25/2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
UTU010953

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**7. If Unit or CA/Agreement, Name and/or No.  
NATURAL BUTTES

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.  
NATURAL BUTTES UNIT 451-01E2. Name of Operator  
EOG RESOURCES, INC.Contact: MICKENZIE THACKER  
E-Mail: MICKENZIE\_THACKER@EOGRESOURCES.COM9. API Well No.  
43-047-362793a. Address  
1060 E. HWY 40  
VERNAL, UT 840783b. Phone No. (include area code)  
Ph: 453-781-914510. Field and Pool, or Exploratory  
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 1 T10S R22E NESW 1956FSL 2132FWL

11. County or Parish, and State  
UINTAH COUNTY, UT

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

All material, debris, trash, and junk was removed from the location. The reserve pit was reclaimed. Stockpiled topsoil was spread over the pit area and broadcast seeded with the prescribed seed mixture. The seeded area was then walked down with a cat. Interim reclamation was completed on 6/2/2008.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #66993 verified by the BLM Well Information System  
For EOG RESOURCES, INC., sent to the Vernal**

Name (Printed/Typed) MICKENZIE THACKER

Title OPERATIONS CLERK

Signature

Date 02/04/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED****RECEIVED****FEB 09 2009****DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
Multiple Leases

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
EOG Resources, Inc

3a. Address  
1060 EAST HIGHWAY 40, VERNAL, UT 84078

3b. Phone No. (include area code)  
435-781-9145

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
See Attached

7. If Unit of CA/Agreement, Name and/or No.  
Natural Buttes

8. Well Name and No.  
Multiple Wells

9. API Well No.  
See Attached

10. Field and Pool or Exploratory Area  
Natural Buttes

11. Country or Parish, State  
Uintah, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. has assigned all of its right, title and interest in the wells described in the attached list ("the Subject Wells") to Kerr-McGee Oil & Gas Onshore LP and will relinquish and transfer operatorship of all of the Subject Wells to Kerr-McGee Oil & Gas Onshore LP on January 1, 2010.

As of January 1, 2010, Kerr-McGee Oil & Gas Onshore LP will be considered to be the operator of each of the Subject Wells and will be responsible under the terms and conditions of the applicable lease for the operations conducted upon the leased lands. Bond coverage is provided under Kerr-McGee Oil & Gas Onshore LP's Nationwide BLM Bond No. WYB-000291.

Kerr-McGee Oil & Gas Onshore LP  
1099 18th Street, Suite 1800  
Denver, CO 80202-1918

By: Michael A. Nixon Date: 12/17/2009

Michael A. Nixon  
Agent and Attorney-in-Fact

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only EP  
1/31/2010

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
J. Michael Schween

Title Agent and Attorney-in-Fact

Signature

Date 12/17/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

RECEIVED

Approved by

Title

Date

DEC 24 2009

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Lease #	API #	Well Name	Footages	Legal Description
UTUO2270A	4304730261	NBU 1-07B	1975' FNL 1850' FWL	T10S-R21E-07-SESW
UTUO144868	4304730262	NBU 2-15B	1630' FSL 2125' FEL	T09S-R20E-15-NWSE
ML22651	4304730267	NBU 3-02B	1819' FNL 716' FWL	T10S-R22E-02-SWNW
UTUO10954A	4304730273	NBU 4-35B	2037' FNL 2539' FWL	T09S-R22E-35-SESW
ML22650	4304730272	NBU 5-36B	1023' FNL 958' FWL	T09S-R22E-36-NWNW
UTUO1791	4304730278	NBU 7-09B	330' FSL 1600' FWL	T10S-R21E-09-SESW
UTUO1207 ST	4304730274	NBU 10-29B	1100' FSL 1540' FEL	T09S-R22E-29-SWSE
UTUO1791	4304730294	NBU 13-08B	1600' FSL 1300' FEL	T10S-R21E-08-NESE
UTUO581	4304730296	NBU 15-29B	821' FNL 687' FWL	T09S-R21E-29-NWNW
UTUO1791	4304730316	NBU 16-06B	330' FSL 900' FEL	T10S-R21E-06-SESE
UTUO2270A	4304730317	NBU 17-18B	1014' FSL 2067' FEL	T10S-R21E-18-SWSE
UTUO144869	4304730328	NBU 19-21B	2015' FNL 646' FEL	T09S-R20E-21-SENE
UTUO575	4304730363	NBU 25-20B	1905' FNL 627' FWL	T09S-R21E-20-SWNW
UTU4485	4304730364	NBU 26-13B	600' FSL 661' FEL	T10S-R20E-13-SESE
UTUO1393B	4304730367	NBU 28-04B	529' FNL 2145' FWL	T10S-R21E-04-NENW
UTUO1393B	4304730368	NBU 29-05B	398' FSL 888' FWL	T10S-R21E-05-SESE
UTUO575	4304730380	NBU 30-18B	1895' FSL 685' FEL	T09S-R21E-18-NESE
ML01197A	4304730385	NBU 31-12B	565' FNL 756' FWL	T10S-R22E-12-NWNW
UTU461	4304730396	NBU 33-17B	683' FSL 739' FWL	T09S-R22E-17-SWSW
UTUO575	4304730404	NBU 34-17B	210' FNL 710' FEL	T09S-R21E-17-NENE
UTUO149767	4304730397	NBU 35-08B	1830' FNL 660' FWL	T09S-R21E-8-SWNW
UTUO144878B	4304730470	NBU 49-12B	551' FSL 1901' FEL	T09S-R20E-12-SWSE
UTUO140225	4304730473	NBU 52-01B	659' FSL 658' FEL	T09S-R21E-01-SESE
UTUO141315	4304730474	NBU 53-03B	495' FSL 601' FWL	T09S-R21E-03-SWSW
ML21510	4304730475	NBU 54-02B	660' FSL 660' FWL	T09S-R21E-02-SWSW
UTUO1193	4304730464	NBU 57-12B	676' FSL 1976' FEL	T09S-R21E-12-SWSE
UTUO1198B	4304730463	NBU 58-23B	1634' FNL 2366' FEL	T10S-R22E-23-SWNE
UTUO37167	4304730477	NBU 62-35B	760' FNL 2252' FEL	T10S-R22E-35-NWNE
UTU10186	4304730466	NBU 63-12B	1364' FNL 1358' FEL	T10S-R20E-12-SWNE
UTUO37167	4304730577	NBU 70-34B	1859' FSL 2249' FWL	T10S-R22E-34-NESW
UTU4476	4304730578	NBU 71-26B	1877' FNL 528' FEL	T10S-R20E-26-SENE
UTUO141315	4304731150	NBU 202-03	898' FSL 1580' FEL	T09S-R21E-03-SWSE
UTUO1791	4304731238	NBU 205-08	1432' FSL 1267' FWL	T10S-R21E-08-NWSW
UTUO1791	4304731165	NBU 206-09	1789' FNL 1546' FWL	T10S-R21E-09-SESW
UTUO1393B	4304731177	NBU 207-04	1366' FSL 1445' FWL	T10S-R21E-04-NESW
UTUO149076	4304731153	NBU 210-24	1000' FSL 1000' FWL	T09S-R21E-24-SWSW
UTUO284	4304731156	NBU 211-20	916' FSL 822' FEL	T09S-R22E-20-SESE
UTUO284	4304731267	NBU 212-19	289' FSL 798' FWL	T09S-R22E-19-SWSW
UTU22650	4304731268	NBU 213-36J	597' FNL 659' FEL	T09S-R22E-36-NENE
ML22651	4304731282	NBU 217-02	2045' FSL 766' FWL	T10S-R22E-02-NWSW
UTUO2270A	4304731310	NBU 218-17	2600' FNL 1500' FWL	T10S-R21E-17-SESW
UTUO149076	4304731308	NBU 219-24	1300' FNL 500' FWL	T09S-R21E-24-NWNW
UTUO149076	4304732131	NBU 301-24E	700' FSL 2450' FEL	T09S-R21E-24-SWSE
UTUO1791	4304732010	NBU 302-09E	1899' FSL 912' FWL	T10S-R21E-09-NWSW
UTUO575	4304732130	NBU 304-18E	782' FSL 1783' FEL	T09S-R21E-18-SWSE
UTUO149767	4304732135	NBU 305-07E	670' FNL 1950' FWL	T09S-R21E-07-NENW
UTUO581	4304732282	NBU 306-18E	1604' FSL 2797' FWL	T09S-R21E-18-NESW
UTUO1791	4304732014	NBU 307-06E	1979' FSL 2000' FEL	T10S-R21E-06-NWSE
UTUO284	4304732202	NBU 308-20E	1503' FSL 954' FWL	T09S-R22E-20-NWSW
UTUO575	4304732283	NBU 309-20E	930' FNL 667' FEL	T09S-R21E-20-NENE
UTUO149075	4304732203	NBU 311-23E	1101' FSL 1978' FEL	T09S-R21E-23-SWSE
UTUO581	4304732378	NBU 313-29E	1000' FNL 660' FEL	T09S-R21E-29-NENE
UTUO141315	4304732271	NBU 314-03E	1045' FSL 2584' FWL	T09S-R21E-03-SESW
UTUO575	4304732381	NBU 316-17E	1935' FNL 1067' FWL	T09S-R21E-17-SWNW
UTUO144868B	4304732362	NBU 317-12E	867' FNL 701' FEL	T09S-R20E-12-NENE
UTUO2270A	4304737511	NBU 319-17E	807' FNL 990' FWL	T10S-R21E-17-NWNW
UTUO1188	4304732379	NBU 321-10E	940' FSL 2508' FWL	T09S-R21E-10-SESW
UTUO575B	4304732376	NBU 325-08E	832' FSL 669' FWL	T09S-R21E-08-SWSW
UTUO1393B	4304733697	NBU 326-04E	1906' FNL 695' FWL	T10S-R21E-04-SWNW
UTUO1393B	4304739303	NBU 327-05E	1117' FNL 942' FEL	T10S-R21E-05-NENE (LOT 1)
UTU4485	4304732386	NBU 328-13E	1766' FSL 1944' FWL	T10S-R20E-13-NESW
UTUO1207 ST	4304732229	NBU 329-29E	2490' FNL 949' FEL	T09S-R22E-29-SENE

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Lease #	API #	Well Name	Footages	Legal Description
UTUO10954A	4304732147	NBU 331-35E	1531' FNL 1153' FEL	T09S-R22E-35-SENE
UTUO1791	4304732148	NBU 332-08E	955' FSL 2508' FEL	T10S-R21E-08-SWSE
ML21510	4304732518	NBU 333-02E	1951' FSL 2245' FWL	T09S-R21E-02-NESW
UTUO149075	4304732265	NBU 335-23E	1419' FNL 828' FEL	T09S-R21E-23-SENE
UTUO149076	4304732264	NBU 336-24E	2024' FNL 1958' FWL	T09S-R21E-24-SENE
UTUO284	4304732281	NBU 339-19E	1890' FSL 674' FWL	T09S-R22E-19-NWSW
UTUO284B	4304732327	NBU 340-20E	1326' FSL 2569' FEL	T09S-R22E-20-NWSE
UTUO1207 ST	4304733055	NBU 341-29E	307' FSL 898' FEL	T09S-R22E-29-SESE
UTUO10954A	4304732212	NBU 342-35E	918' FNL 2563' FEL	T09S-R22E-35-NWNE
UTUO1393B	4304739338	NBU 346-05E	2233' FSL 676' FEL	T10S-R21E-05-NESE
UTUO575B	4304732326	NBU 349-07E	1641' FNL 1036' FWL	T09S-R21E-07-SWNW
UTUO1188	4304732519	NBU 352-10E	1806' FSL 842' FWL	T09S-R21E-10-NWSW
UTUO581	4304732383	NBU 356-29E	1600' FNL 1980' FEL	T09S-R21E-29-SWNE
UTUO2270A	4304732388	NBU 358-01E	736' FSL 1941' FEL	T10S-R20E-01-SWSE
UTU4485	4304750032	NBU 359-13E	661' FSL 2149' FEL	T10S-R20E-13-SWSE
UTU4485	4304732387	NBU 360-13E	1998' FSL 775' FWL	T10S-R20E-13-NWSW
ML21510	4304733782	NBU 379-02E	1967' FSL 898' FWL	T09S-R21E-02-NWSW
UTUO575	4304733064	NBU 382-18E	2030' FSL 2172' FEL	T09S-R21E-18-NWSE
UTUO149075	4304735889	NBU 384-23E	491' FSL 929' FEL	T09S-R21E-23-SESE
UTUO149076	4304733056	NBU 386-24E	450' FSL 1850' FWL	T09S-R21E-24-SESW
UTUO284	4304733057	NBU 388-19E	382' FSL 1847' FWL	T09S-R22E-19-SESW
UTUO1207 ST	4304733049	NBU 389-29E	2226' FSL 2166' FEL	T09S-R22E-29-NWSE
UTUO1393B	4304732835	NBU 390-04E	2577' FSL 1951' FWL	T10S-R21E-04-NESW
UTUO1393B	4304732988	NBU 391-05E	1215' FSL 2090' FEL	T10S-R21E-05-SWSE
UTUO1791	4304733783	NBU 392-06E	1926' FSL 611' FEL	T10S-R21E-06-NESE
UTU4485	4304733071	NBU 393-13E	1850' FSL 2141' FEL	T10S-R20E-13-NWSE
UTU4485	4304733072	NBU 394-13E	725' FSL 2027' FWL	T10S-R20E-13-SESW
UTUO1188	4304732544	NBU 400-11E	1983' FSL 1321' FWL	T09S-R21E-11-NESW
UTUO581	4304734216	NBU 421-29E	1985' FNL 972' FEL	T09S-R21E-29-SENE
UTUO581	4304733698	NBU 422-29E	1980' FNL 785' FWL	T09S-R21E-29-SWNW
UTUO581	4304734206	NBU 423-30E	1980' FSL 660' FEL	T09S-R21E-30-NESE
ML3142	4304733699	NBU 424-32E	744' FNL 773' FEL	T09S-R21E-32-NENE
UTUO2270A	4304740049	NBU 428-07E	660' FSL 855' FWL	T10S-R21E-07-SWSW (Lot 4)
UTUO1791	4304733069	NBU 431-09E	2599' FNL 662' FWL	T10S-R21E-09-SWNW
UTUO2270A	4304738536	NBU 434-17E	1799' FNL 2176' FWL	T10S-R21E-17-SENE
UTUO2270A	4304738376	NBU 435-17E	1837' FNL 571' FWL	T10S-R21E-17-SWNW
UTUO2270A	4304734195	NBU 436-18E	1644' FSL 748' FEL	T10S-R21E-18-NESE
UTUO2270A	4304735499	NBU 437-18E	322' FSL 748' FEL	T10S-R21E-18-SESE
ML22792	4304737534	NBU 438-19E	661' FNL 1941' FEL	T10S-R21E-19-NWNE
ML22792	4304737535	NBU 439-19E	2111' FNL 1980' FWL	T10S-R21E-19-SWNE
UTUO10953	4304736279	NBU 451-01E	1965' FSL 2132' FWL	T10S-R22E-01-NESW
ML22651	4304736053	NBU 456-02E	493' FNL 1080' FWL	T10S-R22E-02-NWNW (Lot 4)
UTUO141315	4304733063	NBU 481-03E	1490' FSL 556' FEL	T09S-R21E-03-NESE
UTUO581	4304733065	NBU 483-19E	1850' FSL 1980' FWL	T09S-R21E-19-NESW
UTUO575	4304733784	NBU 484-20E	350' FNL 823' FWL	T09S-R21E-20-NWNW
UTUO2270A	4304739897	NBU 486-07E	1895' FSL 1834' FWL	T10S-R21E-07-NESW
UTUO575B	4304733121	NBU 489-07E	763' FSL 733' FWL	T09S-R21E-07-SWSW (Lot 4)
UTUO2270A	4304733123	NBU 497-01E	2091' FSL 894' FEL	T10S-R20E-01-NESE
UTUO577A	4304733140	NBU 506-23E	720' FNL 1818' FWL	T09S-R20E-23-NENW
UTUO1791	4304733124	NBU 508-08E	915' FSL 355' FEL	T10S-R21E-08-SESE
UTUO1197A ST	4304739283	NBU 513-12EX	1850' FNL 2133' FWL	T10S-R22E-12-SENE
UTUO2270A	4304733696	NBU 516-12E	1950' FSL 1786' FEL	T10S-R20E-12-NWSE
UTUO141315	4304733779	NBU 519-03E	1749' FSL 798' FWL	T09S-R21E-03-NWSW
UTUO575B	4304733780	NBU 521-08E	2250' FSL 900' FWL	T09S-R21E-08-NWSW
UTUO1188	4304733781	NBU 522-10E	732' FSL 841' FEL	T09S-R21E-10-SESE
UTUO2270A	4304733685	NBU 523-12E	660' FSL 660' FEL	T10S-R20E-12-SESE
UTUO2270A	4304733701	NBU 524-12E	841' FSL 1795' FEL	T10S-R20E-12-SWSE
UTUO2270A	4304739722	NBU 529-07E	704' FNL 762' FWL	T10S-R21E-07-NWNW
UTUO581	4304734639	NBU 534-18E	1885' FSL 115' FWL	T09S-R21E-18-NWSW
UTUO2270A	4304735200	NBU 535-17E	1893' FSL 580' FWL	T10S-R21E-17-NWSW
ML22791	4304735252	NBU 536-18E	734' FSL 2293' FWL	T10S-R21E-18-SESW
UTUO2270A	4304735253	NBU 537-18E	1880' FSL 1830' FEL	T10S-R21E-18-NWSE

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Lease #	API #	Well Name	Footages	Legal Description
UTUO284	4304735886	NBU 538-19E	1937' FSL 1833' FWL	T09S-R22E-19-NESW
UTUO149076	4304735887	NBU 539-24E	1870' FSL 477' FEL	T09S-R21E-24-NESE
UTUO10953	4304736280	NBU 546-01E	2036' FSL 699' FWL	T10S-R22E-01-NWSW
UTUO10953	4304736278	NBU 547-01E	749' FSL 598' FWL	T10S-R22E-01-SWSW
UTU474	4304737687	NBU 553-28E	767' FNL 753' FWL	T10S-R22E-28-NWNW
UTU474	4304737686	NBU 554-28E	2023' FNL 465' FWL	T10S-R22E-28-SWNW
ML22791	4304737685	NBU 555-18E	1984' FSL 1790' FWL	T10S-R21E-18-NESW
ML22791	4304737514	NBU 556-18E	1800' FSL 870' FWL	T10S-R21E-18-NWSW
ML22791	4304737513	NBU 557-18E	852' FSL 661' FWL	T10S-R21E-18-SWSW
UTUO2270A	4304737510	NBU 558-17E	748' FSL 611' FWL	T10S-R21E-17-SWSW
UTUO2278C	4304737509	NBU 559-17E	467' FSL 2065' FWL	T10S-R21E-17-SESW
UTUO2278	4304737508	NBU 560-17E	1946' FSL 1896' FWL	T10S-R21E-17-NESW
UTUO2278	4304737512	NBU 561-17E	857' FSL 1988' FEL	T10S-R21E-17-SWSE
ML22792	4304737536	NBU 562-19E	859' FNL 859' FEL	T10S-R21E-19-NENE
ML22792	4304737537	NBU 563-19E	1982' FSL 1878' FEL	T10S-R21E-19-NWSE
UTU4476	4304738962	NBU 564-26E	665' FNL 1945' FWL	T10S-R20E-26-NENW
ML22793	4304737533	NBU 565-30E	1865' FNL 1786' FEL	T10S-R21E-30-SWNE
UTUO2270A	4304738375	NBU 566-17E	538' FNL 1806' FWL	T10S-R21E-17-NENW
UTUO1791	4304738535	NBU 567-17E	690' FNL 1988' FEL	T10S-R21E-17-NWNE
UTUO1791	4304738537	NBU 568-17E	850' FNL 807' FEL	T10S-R21E-17-NENE
UTUO1791	4304738534	NBU 569-17E	2009' FNL 1809' FEL	T10S-R21E-17-SWNE
UTUO1791	4304738529	NBU 570-17E	2031' FNL 672' FEL	T10S-R21E-17-SENE
UTUO2278	4304738377	NBU 571-17E	1964' FSL 1831' FEL	T10S-R21E-17-NWSE
UTUO2278	4304738374	NBU 572-17E	1810' FSL 739' FEL	T10S-R21E-17-NESE
UTUO2278	4304738510	NBU 573-17E	813' FSL 481' FEL	T10S-R21E-17-SESE
ML22650	4304739308	NBU 602-36E	1723' FNL 719' FWL	T09S-R22E-36-SWNW
UTUO1393B	4304739305	NBU 614-05E	716' FNL 1967' FEL	T10S-R21E-05-NWNE
UTUO1393B	4304739655	NBU 615-05E	2384' FNL 1015' FEL	T10S-R21E-05-SENE
UTUO1393B	4304739337	NBU 617-04E	933' FNL 745' FWL	T10S-R21E-04-NWNW
UTUO1393B	4304739336	NBU 618-04E	998' FSL 661' FWL	T10S-R21E-04-SWSW
UTUO1393B	4304739414	NBU 625-04E	1937' FNL 1722' FWL	T10S-R21E-04-SENW
UO01197A ST	4304739192	NBU 632-12E	860' FNL 2032' FWL	T10S-R22E-12-NENW
UO01197A ST	4304739193	NBU 633-12E	789' FNL 2179' FEL	T10S-R22E-12-NWNE
UO01197A ST	4304739190	NBU 635-12E	1808' FNL 1754' FEL	T10S-R22E-12-SWNE
UTUO1197A ST	4304739191	NBU 636-12E	1824' FNL 461' FEL	T10S-R22E-12-SENE
UTUO8512 ST	4304750016	NBU 638-13E	1926' FNL 2504' FWL	T10S-R22E-13-SENW
UTUO8512 ST	4304750019	NBU 639-13E	859' FNL 1902' FEL	T10S-R22E-13-NWNE
UTUO8512 ST	4304750014	NBU 640-13E	1619' FNL 1639' FEL	T10S-R22E-13-SWNE
UTUO8512A ST	4304750058	NBU 641-13E	990' FNL 1184' FEL	T10S-R22E-13-NENE
UTUO8512 ST	4304750013	NBU 642-13E	1949' FNL 858' FEL	T10S-R22E-13-SENE
UTUO2270A	4304739957	NBU 653-07E	660' FNL 1980' FWL	T10S-R21E-07-NENW
UTUO2270A	4304739956	NBU 654-07E	1913' FNL 522' FWL	T10S-R21E-07-SWNW
UTUO2270A	4304739860	NBU 655-07E	1926' FSL 750' FWL	T10S-R21E-07-NWSW
UTUO1791	4304739856	NBU 658-01E	2177' FNL 1784' FEL	T10S-R20E-01-SWNE
UTUO2270A	4304739858	NBU 660-12E	661' FNL 691' FEL	T10S-R20E-12-NENE
ML22790	4304750011	NBU 661-24E	1734' FSL 661' FWL	T10S-R20E-24-NWSW
ML22790	4304750017	NBU 662-24E	809' FSL 807' FWL	T10S-R20E-24-SWSW
ML22790	4304750010	NBU 663-24E	810' FSL 1979' FWL	T10S-R20E-24-SESW
ML22790	4304739867	NBU 664-24E	1810' FNL 1781' FEL	T10S-R20E-24-NWSE
ML22790	4304750018	NBU 665-24E	1950' FSL 660' FEL	T10S-R20E-24-NESE
ML22790	4304750057	NBU 666-24E	1043' FSL 1722' FEL	T10S-R20E-24-SWSE
ML22790	4304750012	NBU 667-24E	660' FSL 660' FEL	T10S-R20E-24-SESE
UTUO2270A	4304739901	NBU 668-12E	859' FNL 1915' FEL	T10S-R20E-12-NWNE
UO1207 ST	4304740084	NBU 670-29E	2018' FSL 859' FEL	T09S-R22E-29-NESE
UO1207 ST	4304750027	NBU 691-29E	680' FNL 797' FEL	T09S-R22E-29-NENE
ML3140.5	4304738330	NBU 760-36E	1320' FNL 1320' FEL	T09S-R20E-36-NENE
UTU4476	4304738632	NBU 762-26E	1506' FNL 1449' FEL	T10S-R20E-26-SWNE
ML22792	4304738332	NBU 763-19E	1258' FSL 1388' FEL	T10S-R21E-19-SWSE
ML3142	4304738331	NBU 764-32E	875' FNL 667' FWL	T09S-R21E-32-NWNW
UTUO1791	4304738633	NBU 765-09E	1000' FSL 1640' FWL	T10S-R21E-09-SESW

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DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-010953
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 451-1E
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. API NUMBER:</b> 43047362790000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1965 FSL 2132 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 01 Township: 10.0S Range: 22.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 11/5/2010			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 This well location returned to production on November 5, 2010 from a shut-in status.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**

<b>NAME (PLEASE PRINT)</b> Gina Becker	<b>PHONE NUMBER</b> 720 929-6086	<b>TITLE</b> Regulatory Analyst II
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/17/2010



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
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<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/29/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input checked="" type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The operator requests authorization to temporarily abandon the subject well location. The operator proposes to temporarily abandon the well to drill the NBU 1022-1K Pad, which consists of the following wells: NBU 1022-1K1CS, NBU 1022-1K4BS, NBU 1022-1K4CS, NBU 1022-1L4BS, NBU 1022-1L4CS, and NBU 1022-1M1BS. Please see attached procedure. Thank you.					
<b>NAME (PLEASE PRINT)</b> Cara Mahler		<b>PHONE NUMBER</b> 720 929-6029			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst I  <b>DATE</b> 6/29/2012			

Well Name: **NBU 451-1E**  
 Surface Location: NESW Sec. 1, T10S, R22E  
 Uintah County, UT

6/27/12

**Recommended action for disposition of well bore:**

This well will be temporarily abandoned to accommodate drilling operations in one of 2 ways. We will either plug the wellbore as outlined in the attached procedure or Shut-In in the following manner: a) Set a tubing plug near EOT, install a flange over the tbg hanger, removal of master valve, set VR plugs in casing head at surface, and removal of casing wing valves, replaced with blind flanges.

API: 4304736279 LEASE#: U-010953

ELEVATIONS: 5092' GL 5104' KB

TOTAL DEPTH: 7010' PBD: 6940'

SURFACE CASING: 9 5/8", 36# J-55 @ 2318' (KB)

PRODUCTION CASING: 4 1/2", 11.6# N-80 @ 6985'  
 TOC @ ~640' per CBL

PRODUCTION TUBING: 2 3/8" J-55 TBG @ 6111' (8/29/07)

PERFORATIONS: WASATCH 4714' - 6901'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.0217	0.0039
4.5" 11.6# N-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# K-55	8.921	2020	3520	3.247	0.434	0.0773
<b>Annular Capacities</b>						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.0101
4.5" csg X 9 5/8" 36# csg				2.227	0.2977	0.053
4.5" csg X 7.875 borehole				1.704	0.2276	0.0406
9 5/8" csg X 12 1/4" borehole				2.3436	0.3132	0.0558

**GEOLOGICAL TOPS:**

4164' Wasatch

**NBU 451-1E TEMPORARY ABANDONMENT PROCEDURE**

**GENERAL**

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY BLM/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

**PROCEDURE**

**Note: An estimated 25 sx of cement needed to perform procedure.**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.**
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE WAS PERFORATIONS (4714' - 6901'):** RIH W/ 4 ½" CBP. SET @ ~4670'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX/ 4.5 BBL/ 8.7 CUFT.** ON TOP OF PLUG. PUH ABOVE TOC (~4570'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #2, PROTECT TOP OF WASATCH (4164'):** PUH TO ~4280'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **17 SX / 3.4 BBL / 19.2 CUFT** AND BALANCE PLUG W/ TOC @ ~4060' (220' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 6/27/12

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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 451-1E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1965 FSL 2132 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 01 Township: 10.0S Range: 22.0E Meridian: S		<b>9. API NUMBER:</b> 43047362790000
<b>PHONE NUMBER:</b> 720 929-6511		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/29/2012	<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The operator has concluded the temporary abandonment operations on the subject well location on 8/29/2012. This well was plugged in order to expand and drill the NBU 921-22E Pad wells. Please see the attached chronological well history for details. Thank you.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          September 11, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Jaime Scharnowske	<b>PHONE NUMBER</b> 720 929-6304	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/11/2012	

US ROCKIES REGION  
Operation Summary Report

Well: NBU 451-1E				Spud Date: 8/1/2007					
Project: UTAH-UINTAH				Site: NBU 1022-1K PAD				Rig Name No: MILES 2/2	
Event: ABANDONMENT				Start Date: 8/27/2012				End Date: 8/29/2012	
Active Datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 451-1E					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
8/27/2012	13:00 - 17:00	4.00	ABANDT	31		P		MIRU, CSG 1000#, TBG 1000#, BLOW DWN WELL, KILL WELL, 20 BBLS TBG, 10 BBLS CSG, NDWH, NU BOP'S, TEST BOP'S, UNLAND TBG, SWIFN	
8/28/2012	7:00 - 7:30	0.50	ABANDT	48		P		WIRELING	
	7:30 - 15:30	8.00	ABANDT	45		P		TBG-CSG, 500# TBG-CSG, KILL WELL WITH 20 BBLS T-MAC , RU PRS, SCAN TBG OOH, STD BACK 74 STDS, LD BALANCE ON TLR, 192 JTS TOTAL, RD PRS, RU CUTTERS, PU GAUGE RING, TIH TO 4690', POOH, PU 8K CBP, TIH TO 4670' SET CBP,TIH 148 JTS TAG CBP, PU 10', BREAK CIRC, CIRC CLEAN WITH TREATED T-MAC,TEST CSG 500# 5 MIN, SWIFN,,	
8/29/2012	7:00 - 7:30	0.50	ABANDT	48		P		CEMENTING	
	7:30 - 12:00	4.50	ABANDT	51		P		RU PRO PETRO, ALL CEMENT IS CLASS G, YIELD 1.145, DENISTY 15.8#, 4.9 GW/SX, PUMP 2.6 BBL FRESH, 10 SX, 2 BBLS, CEMENT 4660',DISPLACE WITH 1 BBL FRESH, 15.5 BBLS TREATED T-MAC, PLUG 4660' TO 4396'TOP, POOH 11 JTS, SET 2ND CEMENT PLUG,PUMP 2.6 BBLS FRESH, 20 SX, 4.1 BBLS,CEMENT, 4300', 324' PLUG 4300' TO 3976' TOP, DISPLACE WITH 1 BBL FRESH, 13.6 BBLS TREATED T-MAC, POOH LD TBG, RD PRO PETRO, ND BOP'S, CAP WELL, RDMO TO NBU 1022-1G N 39.97613 W 109.38952 ELEV 5092'	

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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 451-1E
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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/16/2013	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
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<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The subject well was temporarily abandoned to drill and complete the NBU 1022-01K Pad. On 4/16/2013 well work had completed drilling out plugs and returned the well to production on 10/11/2013. Please see attached daily summary.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          February 26, 2014</b>		
<b>NAME (PLEASE PRINT)</b> Teena Paulo	<b>PHONE NUMBER</b> 720 929-6236	<b>TITLE</b> Staff Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/26/2014	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 451-1E				Spud Date: 8/1/2007				
Project: UTAH-UINTAH			Site: NBU 1022-01K PAD				Rig Name No: MILES 3/3	
Event: ABANDONMENT			Start Date: 3/28/2013				End Date: 4/16/2013	
Active Datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 451-1E				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
3/28/2013	7:00 -							REBUILD PROD FACILITIES TO RETURN WELL TO PRODUCTION
4/12/2013	7:00 - 7:30	0.50		48		P		HSM, RIGGING DOWN RIG & MOVING
	7:30 - 12:30	5.00		30	A	P		CHECK NC 44-17 WAS PUMPING, RDMOL, MIRU
	12:30 - 17:00	4.50		31	I	P		ND WH NU BOPS RU FLOOR & TBG EQUIP. TALLY & PU 37/8 BIT & 128 JTS 23/8 J-55 TAG UP @ 4010', L/D JT 128, RU SWIVEL & DRLG EQUIP. RU PUMP & LINES, PREP TO D/O CMT 4/15/13. SWI SDFWE
4/15/2013	7:00 - 7:30	0.50		48		P		HSM, PPE & CHECKING H2S MONITORS.
	7:30 - 15:00	7.50		44	A	P		SICP 0, BROKE CIRC REV, TEST CSG TO 3,000 PSI. D/O CMT F/ 4010' TO 4326 ', 316' CMT FELL FREE, RIH RIH TAG UP @ 4536.' D/O CMT F/ 4536' TO 4656' 120' CMT,CBP @ 4670' DISPLACED CMT WTR TO PIT W/ CLEAN FRESH WTR.
	15:00 - 17:00	2.00		31	I	P		RD SWIVEL L/D JT @ 148. POOH 147 JTS L/D BIT, PU RIH W/ 37/8 MILL & POBS & 1.875 X/N & 147 JTS TBG EOT @ 4643' SWI SDFN.
4/16/2013	7:00 - 7:30	0.50		48		P		HSM, WORKING W/ FOAM UNIT
	7:30 - 17:00	9.50		44	C	P		RU SWIVEL INSTAL TSF, DRL OUT ISOLATION PLUG @ 4670' IN 4 MIN LOST 100 PSI, CIRC CLN, KILL TBG HANG BACK SWIVEL, REMOVED TSF PU 6 JTS 23/8 J-55 TAGGED UP @ 4872', INSTAL TSF, RU SWIVEL BROKE CIR W/ AIR/FOAM, C/O SCALE F/ 4872' TO 4882' FELL FREE PU TO 5208' KILL TBG PULL UP REMOVED TSF RIH TAG UP @ TAG UP 6706' INSTALL TSF, BROKE CIRC W/ AIR / FOAM,C/O F/ 6706' TO 6927' PBTD @ 6940' TAG OLD POBS, CIRC WELL CLEAN W/ AIR/FOAM, KILL TBG L/D 23 JTS LAND TBG ON 197 JTS, ND BOPS NU WH, SWI RIG DWN, MOVE OVER & SPOT RIG ON NBU 1022-1L4BS.ND WH NU BOPS, SWI SDFN.
								KB = 12' 197 JTS 23/8 USED J-55 = 6202.61' POBS W/ 1.875 X/N = 2/20' EOT @ 6216.81'
	17:00 - 17:00	0.00		50				WELL TURNED TO SALES ON 4/16/2013.